

Appendix B

Test Information:

|             |            |              |                       |
|-------------|------------|--------------|-----------------------|
| Serial No.: | 2TGU-1     | Test Date:   | 2024/11/04~2024/11/05 |
| Test Site:  | RF         | Test Mode:   | Transmitting          |
| Tester:     | Karl Liang | Test Result: | Pass                  |

Environmental Conditions:

|                       |           |                           |       |                        |             |
|-----------------------|-----------|---------------------------|-------|------------------------|-------------|
| Temperature:<br>(°C): | 24.9~27.3 | Relative Humidity:<br>(%) | 49~53 | ATM Pressure:<br>(kPa) | 101.7~101.9 |
|-----------------------|-----------|---------------------------|-------|------------------------|-------------|

Test Equipment List and Details:

| Manufacturer | Description                         | Model        | Serial Number | Calibration Date | Calibration Due Date |
|--------------|-------------------------------------|--------------|---------------|------------------|----------------------|
| Minl-Clrcuts | Coaxial Power Splitters & Combiner  | ZFRSC-183-S+ | SF448201614   | 2024/02/25       | 2025/02/24           |
| Micro-Coax   | Coaxial Cable                       | UFA210A      | 94089550      | 2024/06/01       | 2025/05/31           |
| All-sun      | Multimeter                          | EM305A       | 8348897       | 2024/08/16       | 2025/08/15           |
| R&S          | Spectrum Analyzer                   | FSV40        | 101461        | 2024/09/05       | 2025/09/04           |
| R&S          | Wideband Radio Communication Tester | CMW500       | 110479        | 2024/09/05       | 2025/09/04           |
| BACL         | TEMP&HUMI Test Chamber              | BTH-150-40   | 30173         | 2024/09/06       | 2025/09/05           |
| TDK-Lambda   | DC Power Supply                     | Z+60-14      | F-08-EM038-1  | N/A              | N/A                  |

\* Statement of Traceability: Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Frequency stability vs. temperature &Frequency stability vs. voltage Compliance

IC RSS 132

Band 5

| Mode           | Result (MHz) | Limit (MHz) | Verdict |
|----------------|--------------|-------------|---------|
| R99_Low_TN/VN  | 824.325      | 824         | Pass    |
| R99_Low_T1/VN  | 824.322      | 824         | Pass    |
| R99_Low_T2/VN  | 824.325      | 824         | Pass    |
| R99_Low_T3/VN  | 824.349      | 824         | Pass    |
| R99_Low_T4/VN  | 824.316      | 824         | Pass    |
| R99_Low_T5/VN  | 824.307      | 824         | Pass    |
| R99_Low_T6/VN  | 824.334      | 824         | Pass    |
| R99_Low_T7/VN  | 824.310      | 824         | Pass    |
| R99_Low_T8/VN  | 824.319      | 824         | Pass    |
| R99_Low_TN/VH  | 824.319      | 824         | Pass    |
| R99_Low_TN/VL  | 824.322      | 824         | Pass    |
| R99_High_TN/VN | 848.675      | 849         | Pass    |
| R99_High_T1/VN | 848.669      | 849         | Pass    |
| R99_High_T2/VN | 848.663      | 849         | Pass    |
| R99_High_T3/VN | 848.660      | 849         | Pass    |
| R99_High_T4/VN | 848.678      | 849         | Pass    |
| R99_High_T5/VN | 848.660      | 849         | Pass    |
| R99_High_T6/VN | 848.684      | 849         | Pass    |
| R99_High_T7/VN | 848.666      | 849         | Pass    |
| R99_High_T8/VN | 848.678      | 849         | Pass    |
| R99_High_TN/VH | 848.693      | 849         | Pass    |
| R99_High_TN/VL | 848.684      | 849         | Pass    |

**Note:**  
TN: 20°C; T1: -30°C; T2: -20°C; T3: -10°C; T4: 0°C; T5: 10°C; T6: 30°C; T7: 40°C; T8: 50°C.  
VN: Normal Voltage; VL: Low Voltage; VH: High Voltage.

FCC Part 22H

Band 5

| Mode             | Test Channel<br>(MHz) | Frequency Error |        | Limit<br>(ppm) | Verdict |
|------------------|-----------------------|-----------------|--------|----------------|---------|
|                  |                       | (Hz)            | (ppm)  |                |         |
| R99_Middle_TN/VN | 836.6                 | -3.9            | -0.005 | ±2.5           | Pass    |
| R99_Middle_T1/VN | 836.6                 | -0.1            | 0.000  | ±2.5           | Pass    |
| R99_Middle_T2/VN | 836.6                 | -1.1            | -0.001 | ±2.5           | Pass    |
| R99_Middle_T3/VN | 836.6                 | 2.3             | 0.003  | ±2.5           | Pass    |
| R99_Middle_T4/VN | 836.6                 | -1.5            | -0.002 | ±2.5           | Pass    |
| R99_Middle_T5/VN | 836.6                 | -1.8            | -0.002 | ±2.5           | Pass    |
| R99_Middle_T6/VN | 836.6                 | -0.7            | -0.001 | ±2.5           | Pass    |
| R99_Middle_T7/VN | 836.6                 | -1.1            | -0.001 | ±2.5           | Pass    |
| R99_Middle_T8/VN | 836.6                 | -1.0            | -0.001 | ±2.5           | Pass    |
| R99_Middle_TN/VH | 836.6                 | -0.7            | -0.001 | ±2.5           | Pass    |
| R99_Middle_TN/VL | 836.6                 | -0.3            | 0.000  | ±2.5           | Pass    |

**Note:**

**Frequency Error (ppm)=Frequency Error (MHz)/Test Channel(MHz)\*10<sup>6</sup>**

**TN: 20°C; T1: -30°C; T2: -20°C; T3: -10°C; T4: 0°C; T5: 10°C; T6: 30°C; T7: 40°C; T8: 50°C.**

**VN: Normal Voltage; VL: Low Voltage; VH: High Voltage.**

FCC Part 24E & IC RSS 133

Band 2

| Mode           | Result (MHz) | Limit (MHz) | Verdict |
|----------------|--------------|-------------|---------|
| R99_Low_TN/VN  | 1850.325     | 1850        | Pass    |
| R99_Low_T1/VN  | 1850.325     | 1850        | Pass    |
| R99_Low_T2/VN  | 1850.325     | 1850        | Pass    |
| R99_Low_T3/VN  | 1850.315     | 1850        | Pass    |
| R99_Low_T4/VN  | 1850.325     | 1850        | Pass    |
| R99_Low_T5/VN  | 1850.325     | 1850        | Pass    |
| R99_Low_T6/VN  | 1850.315     | 1850        | Pass    |
| R99_Low_T7/VN  | 1850.325     | 1850        | Pass    |
| R99_Low_T8/VN  | 1850.325     | 1850        | Pass    |
| R99_Low_TN/VH  | 1850.325     | 1850        | Pass    |
| R99_Low_TN/VL  | 1850.315     | 1850        | Pass    |
| R99_High_TN/VN | 1909.665     | 1910        | Pass    |
| R99_High_T1/VN | 1909.675     | 1910        | Pass    |
| R99_High_T2/VN | 1909.665     | 1910        | Pass    |
| R99_High_T3/VN | 1909.675     | 1910        | Pass    |
| R99_High_T4/VN | 1909.675     | 1910        | Pass    |
| R99_High_T5/VN | 1909.685     | 1910        | Pass    |
| R99_High_T6/VN | 1909.685     | 1910        | Pass    |
| R99_High_T7/VN | 1909.675     | 1910        | Pass    |
| R99_High_T8/VN | 1909.665     | 1910        | Pass    |
| R99_High_TN/VH | 1909.685     | 1910        | Pass    |
| R99_High_TN/VL | 1909.675     | 1910        | Pass    |

**Note:**  
**TN: 20°C; T1: -30°C; T2: -20°C; T3: -10°C; T4: 0°C; T5: 10°C; T6: 30°C; T7: 40°C; T8: 50°C.**  
**VN: Normal Voltage; VL: Low Voltage; VH: High Voltage.**

FCC Part 27 & IC RSS 139

Band 4

| Mode           | Result<br>(MHz) | Limit<br>(MHz) | Verdict |
|----------------|-----------------|----------------|---------|
| R99_Low_TN/VN  | 1710.315        | 1710           | Pass    |
| R99_Low_T1/VN  | 1710.325        | 1710           | Pass    |
| R99_Low_T2/VN  | 1710.325        | 1710           | Pass    |
| R99_Low_T3/VN  | 1710.345        | 1710           | Pass    |
| R99_Low_T4/VN  | 1710.335        | 1710           | Pass    |
| R99_Low_T5/VN  | 1710.315        | 1710           | Pass    |
| R99_Low_T6/VN  | 1710.325        | 1710           | Pass    |
| R99_Low_T7/VN  | 1710.325        | 1710           | Pass    |
| R99_Low_T8/VN  | 1710.335        | 1710           | Pass    |
| R99_Low_TN/VH  | 1710.335        | 1710           | Pass    |
| R99_Low_TN/VL  | 1710.325        | 1710           | Pass    |
| R99_High_TN/VN | 1754.685        | 1755           | Pass    |
| R99_High_T1/VN | 1754.695        | 1755           | Pass    |
| R99_High_T2/VN | 1754.685        | 1755           | Pass    |
| R99_High_T3/VN | 1754.685        | 1755           | Pass    |
| R99_High_T4/VN | 1754.695        | 1755           | Pass    |
| R99_High_T5/VN | 1754.685        | 1755           | Pass    |
| R99_High_T6/VN | 1754.705        | 1755           | Pass    |
| R99_High_T7/VN | 1754.675        | 1755           | Pass    |
| R99_High_T8/VN | 1754.705        | 1755           | Pass    |
| R99_High_TN/VH | 1754.675        | 1755           | Pass    |
| R99_High_TN/VL | 1754.685        | 1755           | Pass    |

**Note:**  
**TN: 20°C; T1: -30°C; T2: -20°C; T3: -10°C; T4: 0°C; T5: 10°C; T6: 30°C; T7: 40°C; T8: 50°C.**  
**VN: Normal Voltage; VL: Low Voltage; VH: High Voltage.**

Occupied Bandwidth

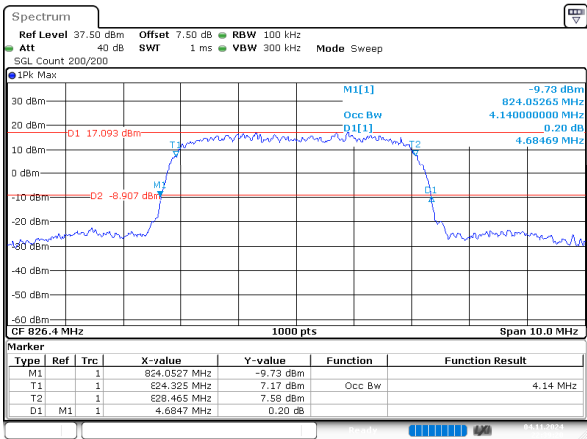
FCC Part 22H & IC RSS 132

Band 5 , Normal

| Mode                  | 99% OBW<br>(MHz) | EBW<br>(MHz) |
|-----------------------|------------------|--------------|
| R99_Low               | 4.140            | 4.685        |
| R99_Middle            | 4.170            | 4.665        |
| R99_High              | 4.140            | 4.685        |
| HSDPA_Low_Subtest1    | 4.170            | 4.705        |
| HSDPA_Middle_Subtest1 | 4.160            | 4.705        |
| HSDPA_High_Subtest1   | 4.170            | 4.715        |
| HSUPA_Low_Subtest1    | 4.150            | 4.695        |
| HSUPA_Middle_Subtest1 | 4.160            | 4.695        |
| HSUPA_High_Subtest1   | 4.160            | 4.715        |

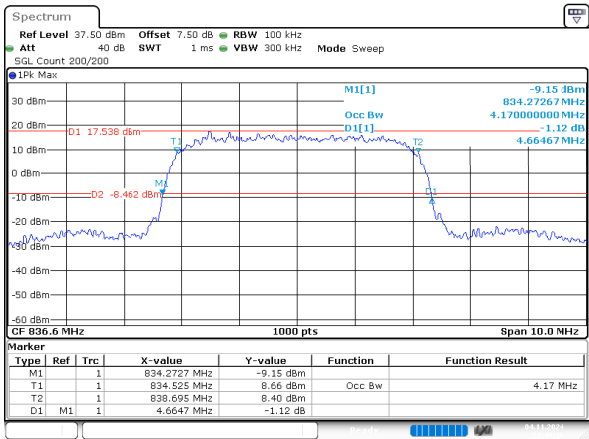
Band 5 , Normal

R99\_Low



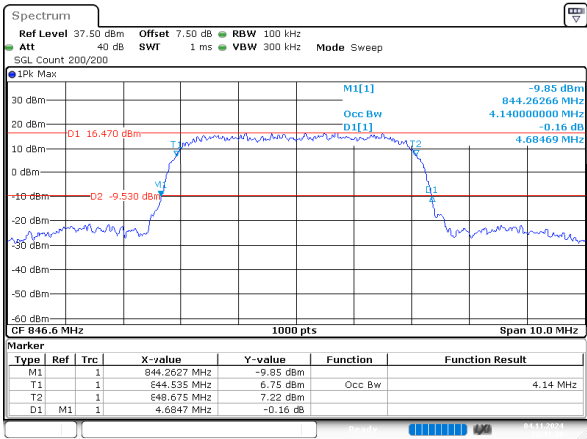
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Date: 4.NOV.2024 22:39:21

R99\_Middle



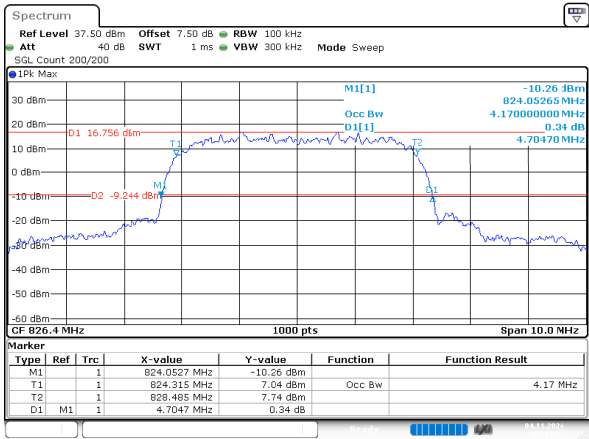
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R99\_High



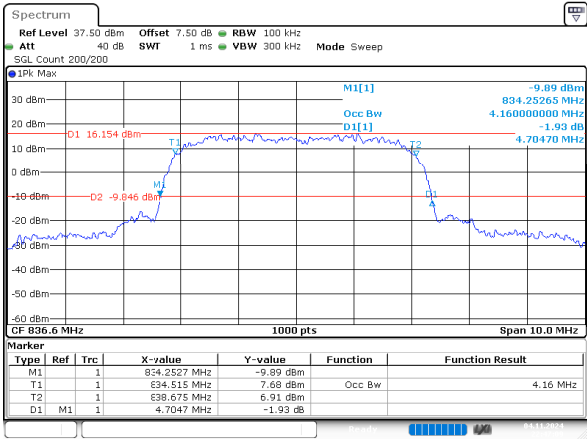
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Date: 4.NOV.2024 22:41:11

HSDPA\_Low\_Subtest1



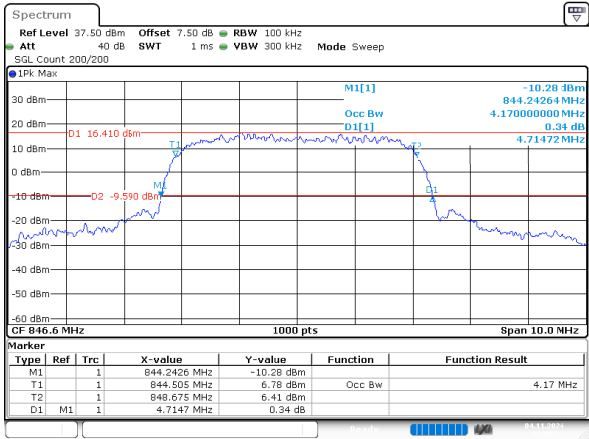
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HSDPA\_Middle\_Subtest1



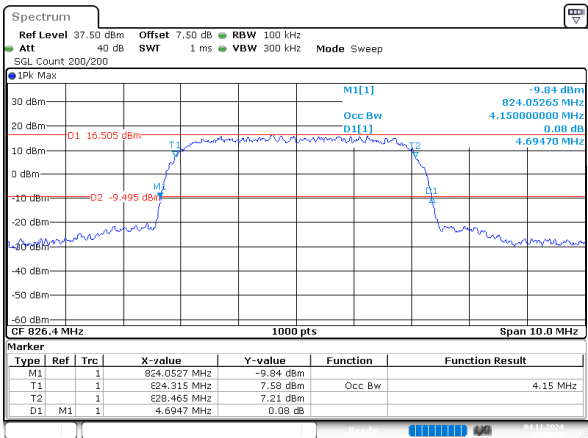
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Date: 4.NOV.2024 22:47:05

HSDPA\_High\_Subtest1



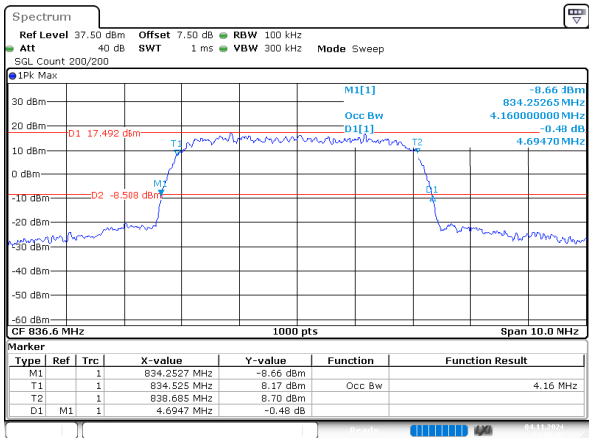
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Date: 4.NOV.2024 22:10:57

HSUPA\_Low\_Subtest1



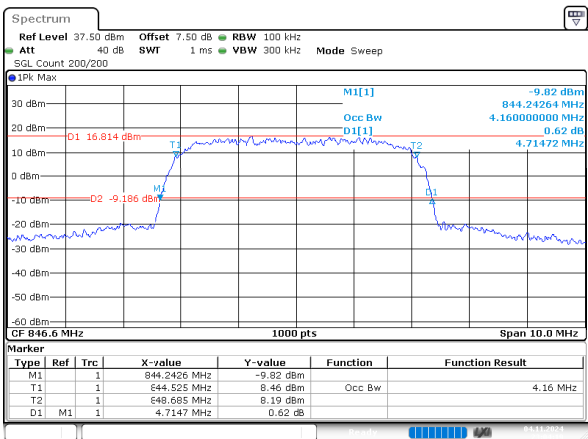
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Date: 4.NOV.2024 22:56:57

HSUPA\_Middle\_Subtest1



ProjectNo.:2402Y38045E-RF Tester:Karl Liang  
Date: 4.NOV.2024 23:00:57

HSUPA\_High\_Subtest1



ProjectNo.:2402Y38045E-RF Tester:Karl Liang  
Date: 4.NOV.2024 23:04:19



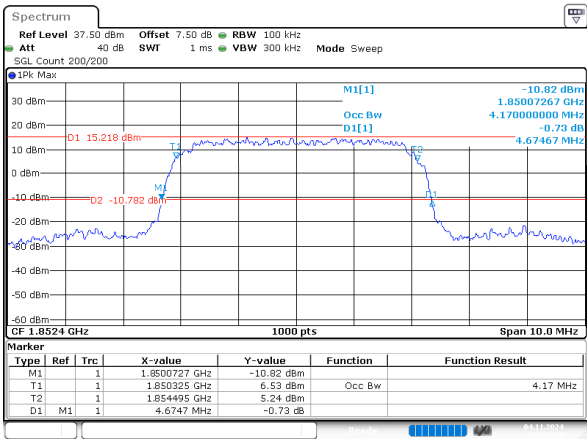
FCC Part 24E & IC RSS 133

Band 2 , Normal

| Mode                  | 99% OBW<br>(MHz) | EBW<br>(MHz) |
|-----------------------|------------------|--------------|
| R99_Low               | 4.170            | 4.675        |
| R99_Middle            | 4.150            | 4.665        |
| R99_High              | 4.180            | 4.695        |
| HSDPA_Low_Subtest1    | 4.170            | 4.705        |
| HSDPA_Middle_Subtest1 | 4.140            | 4.715        |
| HSDPA_High_Subtest1   | 4.170            | 4.735        |
| HSUPA_Low_Subtest1    | 4.200            | 4.685        |
| HSUPA_Middle_Subtest1 | 4.140            | 4.705        |
| HSUPA_High_Subtest1   | 4.170            | 4.695        |

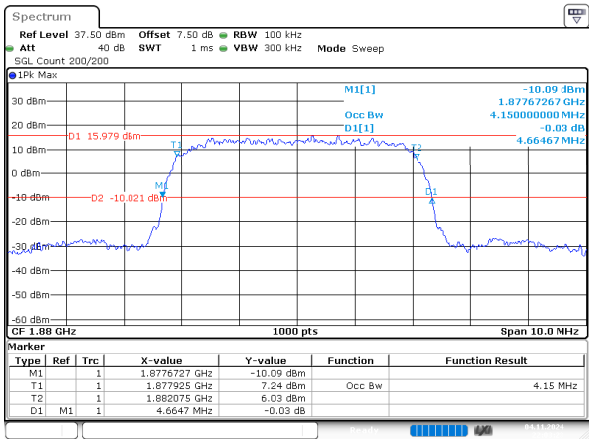
Band 2 , Normal

R99\_Low



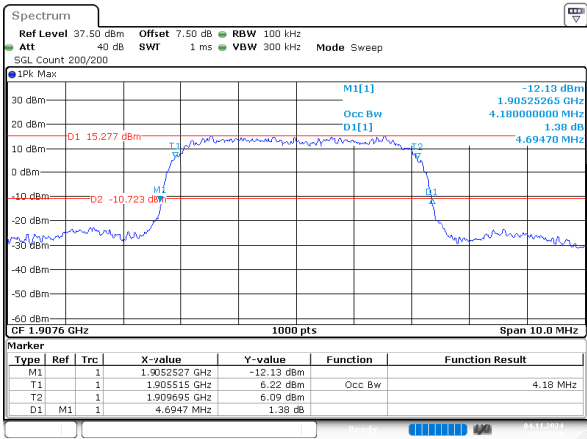
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R99\_Middle



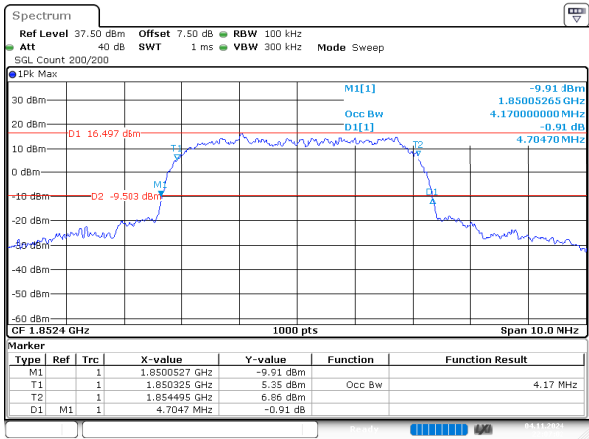
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 Date: 4.NOV.2024 22:03:23

R99\_High



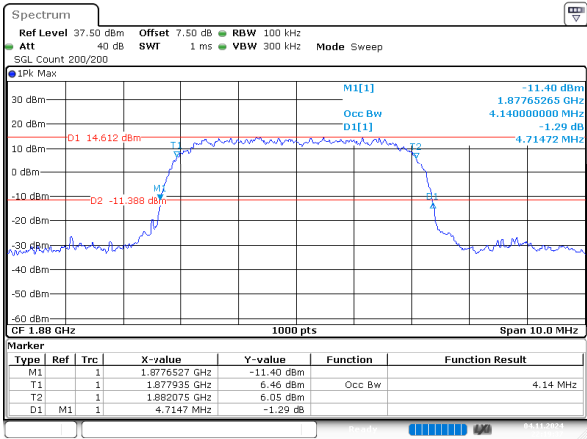
ProjectNo.:2402Y38045E-RF Tester:Karl Liang  
 Date: 4.NOV.2024 22:04:20

HSDPA\_Low\_Subtest1



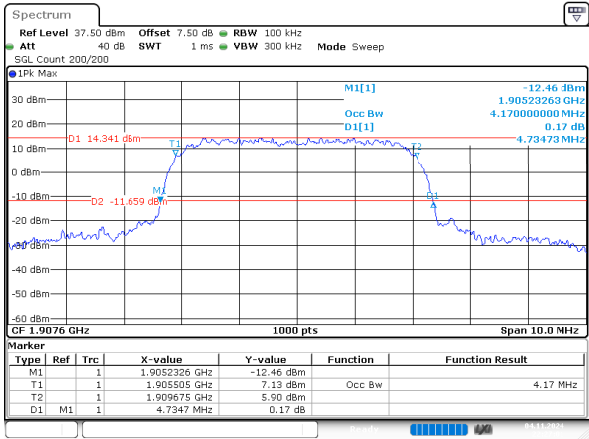
ProjectNo.:2402Y38045E-RF Tester:Karl Liang  
 Date: 4.NOV.2024 22:07:03

HSDPA\_Middle\_Subtest1



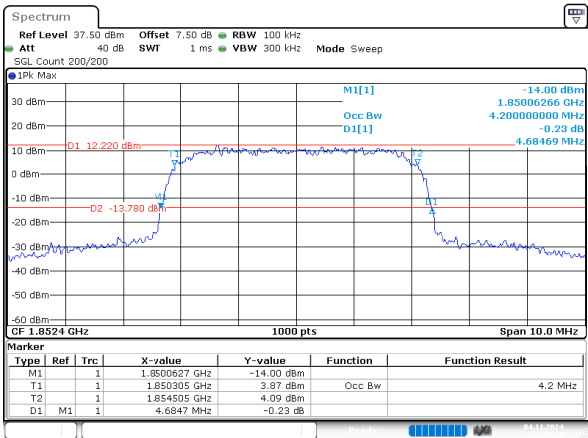
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HSDPA\_High\_Subtest1



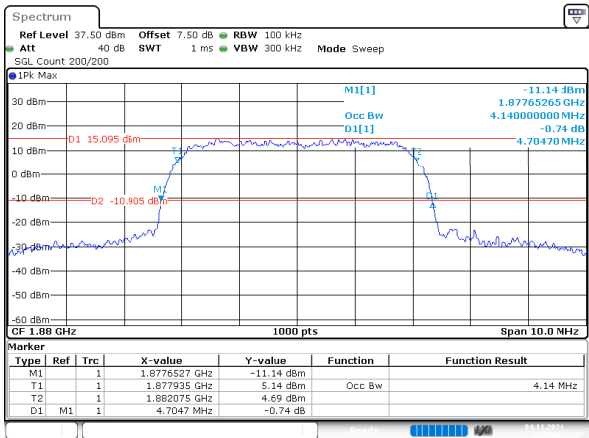
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HSUPA\_Low\_Subtest1



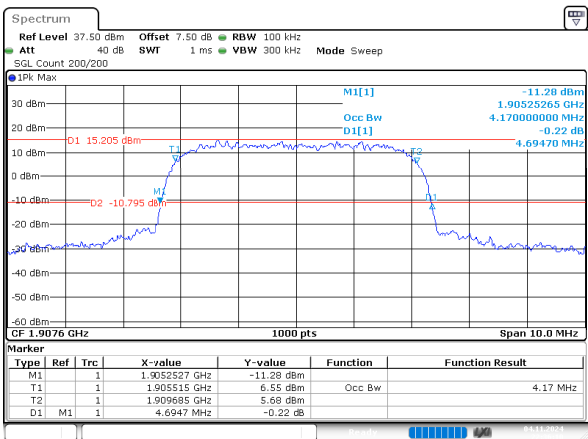
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HSUPA\_Middle\_Subtest1



ProjectNo.:2402Y38045E-RF Tester:Karl Liang  
Date: 4.NOV.2024 22:14:03

HSUPA\_High\_Subtest1



ProjectNo.:2402Y38045E-RF Tester:Karl Liang  
Date: 4.NOV.2024 22:36:11

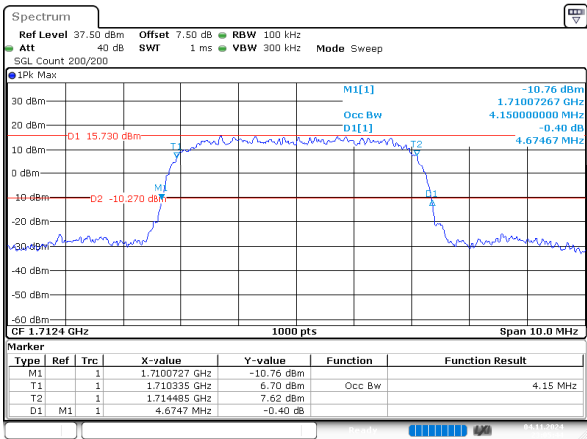
FCC Part 27 & IC RSS 139

Band 4 , Normal

| Mode                  | 99% OBW<br>(MHz) | EBW<br>(MHz) |
|-----------------------|------------------|--------------|
| R99_Low               | 4.150            | 4.675        |
| R99_Middle            | 4.150            | 4.655        |
| R99_High              | 4.150            | 4.675        |
| HSDPA_Low_Subtest1    | 4.140            | 4.705        |
| HSDPA_Middle_Subtest1 | 4.140            | 4.705        |
| HSDPA_High_Subtest1   | 4.160            | 4.695        |
| HSUPA_Low_Subtest1    | 4.170            | 4.715        |
| HSUPA_Middle_Subtest1 | 4.160            | 4.705        |
| HSUPA_High_Subtest1   | 4.170            | 4.655        |

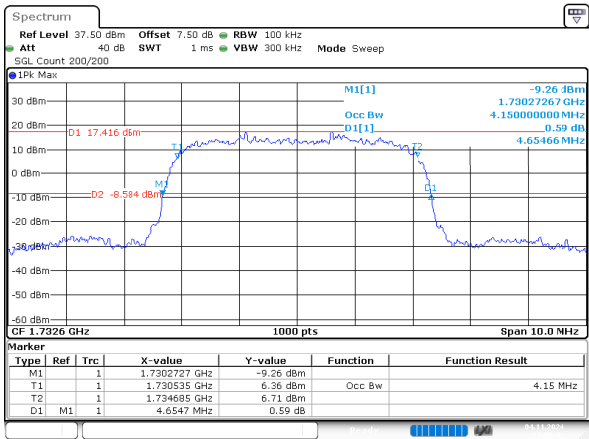
Band 4 , Normal

R99\_Low



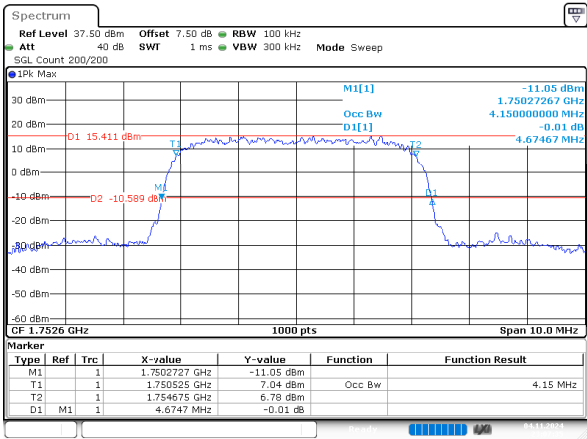
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Date: 4.NOV.2024 23:05:44

R99\_Middle



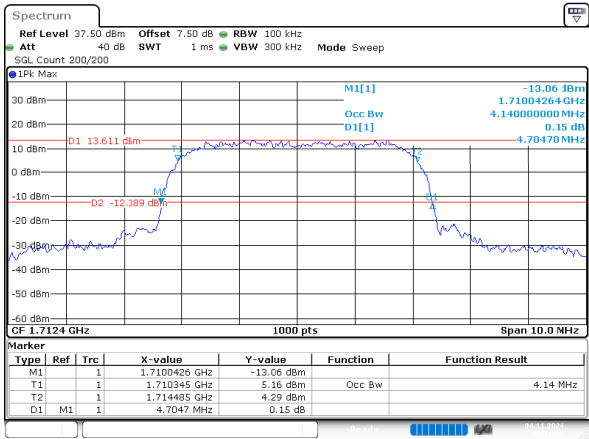
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Date: 4.NOV.2024 23:06:41

R99\_High



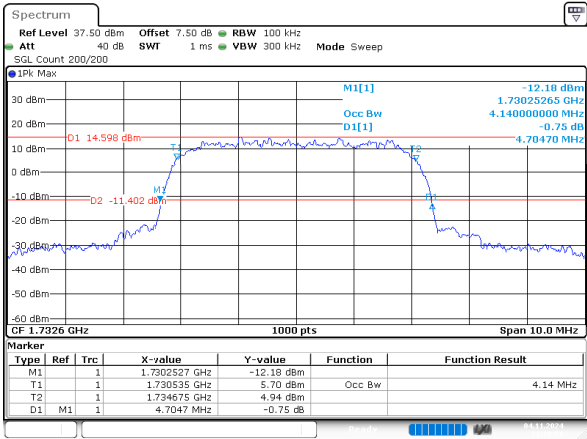
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Date: 4.NOV.2024 23:07:35

HSDPA\_Low\_Subtest1



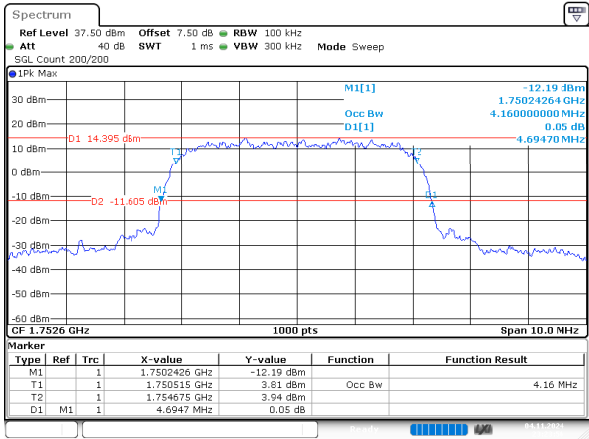
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HSDPA\_Middle\_Subtest1



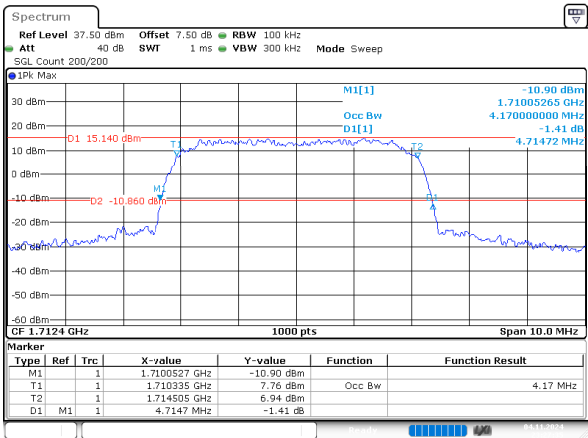
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Date: 4.NOV.2024 23:19:56

HSDPA\_High\_Subtest1



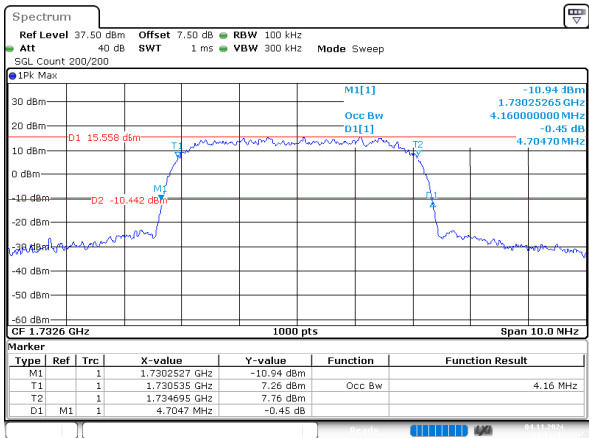
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HSUPA\_Low\_Subtest1



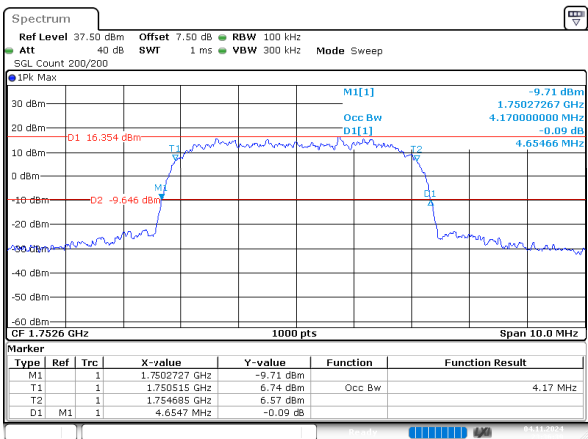
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HSUPA\_Middle\_Subtest1



ProjectNo.:2402Y38045E-RF Tester:Karl Liang  
Date: 4.NOV.2024 23:11:41

HSUPA\_High\_Subtest1



ProjectNo.:2402Y38045E-RF Tester:Karl Liang  
Date: 4.NOV.2024 23:36:35

RF Output Power

FCC Part 22H & IC RSS 132

Band 5 , Normal

| Mode                  | Average Conducted Power(dBm) | ERP (dBm) | FCC Limit (dBm) | IC Limit (dBm) | Verdict |
|-----------------------|------------------------------|-----------|-----------------|----------------|---------|
| R99_Low               | 22.33                        | 17.19     | 38.45           | 34.77          | Pass    |
| R99_Middle            | 22.40                        | 17.26     | 38.45           | 34.77          | Pass    |
| R99_High              | 22.35                        | 17.21     | 38.45           | 34.77          | Pass    |
| HSDPA_Low_Subtest1    | 21.31                        | 16.17     | 38.45           | 34.77          | Pass    |
| HSDPA_Low_Subtest2    | 21.49                        | 16.35     | 38.45           | 34.77          | Pass    |
| HSDPA_Low_Subtest3    | 21.62                        | 16.48     | 38.45           | 34.77          | Pass    |
| HSDPA_Low_Subtest4    | 21.66                        | 16.52     | 38.45           | 34.77          | Pass    |
| HSDPA_Middle_Subtest1 | 21.53                        | 16.39     | 38.45           | 34.77          | Pass    |
| HSDPA_Middle_Subtest2 | 21.73                        | 16.59     | 38.45           | 34.77          | Pass    |
| HSDPA_Middle_Subtest3 | 21.76                        | 16.62     | 38.45           | 34.77          | Pass    |
| HSDPA_Middle_Subtest4 | 21.64                        | 16.50     | 38.45           | 34.77          | Pass    |
| HSDPA_High_Subtest1   | 21.72                        | 16.58     | 38.45           | 34.77          | Pass    |
| HSDPA_High_Subtest2   | 21.50                        | 16.36     | 38.45           | 34.77          | Pass    |
| HSDPA_High_Subtest3   | 21.52                        | 16.38     | 38.45           | 34.77          | Pass    |
| HSDPA_High_Subtest4   | 21.47                        | 16.33     | 38.45           | 34.77          | Pass    |
| HSUPA_Low_Subtest1    | 21.65                        | 16.51     | 38.45           | 34.77          | Pass    |
| HSUPA_Low_Subtest2    | 21.59                        | 16.45     | 38.45           | 34.77          | Pass    |
| HSUPA_Low_Subtest3    | 21.52                        | 16.38     | 38.45           | 34.77          | Pass    |
| HSUPA_Low_Subtest4    | 21.66                        | 16.52     | 38.45           | 34.77          | Pass    |
| HSUPA_Low_Subtest5    | 21.55                        | 16.41     | 38.45           | 34.77          | Pass    |
| HSUPA_Middle_Subtest1 | 21.73                        | 16.59     | 38.45           | 34.77          | Pass    |
| HSUPA_Middle_Subtest2 | 21.66                        | 16.52     | 38.45           | 34.77          | Pass    |
| HSUPA_Middle_Subtest3 | 21.59                        | 16.45     | 38.45           | 34.77          | Pass    |
| HSUPA_Middle_Subtest4 | 21.84                        | 16.70     | 38.45           | 34.77          | Pass    |
| HSUPA_Middle_Subtest5 | 21.80                        | 16.66     | 38.45           | 34.77          | Pass    |
| HSUPA_High_Subtest1   | 21.41                        | 16.27     | 38.45           | 34.77          | Pass    |
| HSUPA_High_Subtest2   | 21.75                        | 16.61     | 38.45           | 34.77          | Pass    |
| HSUPA_High_Subtest3   | 21.70                        | 16.56     | 38.45           | 34.77          | Pass    |
| HSUPA_High_Subtest4   | 21.75                        | 16.61     | 38.45           | 34.77          | Pass    |
| HSUPA_High_Subtest5   | 21.70                        | 16.56     | 38.45           | 34.77          | Pass    |

| Mode                     | Average Conducted Power(dBm) | ERP (dBm) | FCC Limit (dBm) | IC Limit (dBm) | Verdict |
|--------------------------|------------------------------|-----------|-----------------|----------------|---------|
| HSPA+_Low_Subtest1       | 21.58                        | 16.44     | 38.45           | 34.77          | Pass    |
| HSPA+_Middle_Subtest1    | 21.55                        | 16.41     | 38.45           | 34.77          | Pass    |
| HSPA+_High_Subtest1      | 21.64                        | 16.50     | 38.45           | 34.77          | Pass    |
| DC-HSDPA_Low_Subtest1    | 21.77                        | 16.63     | 38.45           | 34.77          | Pass    |
| DC-HSDPA_Low_Subtest2    | 21.73                        | 16.59     | 38.45           | 34.77          | Pass    |
| DC-HSDPA_Low_Subtest3    | 21.69                        | 16.55     | 38.45           | 34.77          | Pass    |
| DC-HSDPA_Low_Subtest4    | 21.51                        | 16.37     | 38.45           | 34.77          | Pass    |
| DC-HSDPA_Middle_Subtest1 | 21.66                        | 16.52     | 38.45           | 34.77          | Pass    |
| DC-HSDPA_Middle_Subtest2 | 21.63                        | 16.49     | 38.45           | 34.77          | Pass    |
| DC-HSDPA_Middle_Subtest3 | 21.55                        | 16.41     | 38.45           | 34.77          | Pass    |
| DC-HSDPA_Middle_Subtest4 | 21.74                        | 16.60     | 38.45           | 34.77          | Pass    |
| DC-HSDPA_High_Subtest1   | 21.79                        | 16.65     | 38.45           | 34.77          | Pass    |
| DC-HSDPA_High_Subtest2   | 21.68                        | 16.54     | 38.45           | 34.77          | Pass    |
| DC-HSDPA_High_Subtest3   | 21.75                        | 16.61     | 38.45           | 34.77          | Pass    |
| DC-HSDPA_High_Subtest4   | 21.68                        | 16.54     | 38.45           | 34.77          | Pass    |

**Note:**

**ERP = Average Conducted Power(dBm) - L<sub>C</sub>(dB) + G<sub>T</sub>(dBd)**

**G<sub>T</sub>(dBd) = G<sub>T</sub>(dBi) - 2.15**

**1.Ant Gain = -2.89dBi;**

**2.C<sub>L</sub> = signal attenuation in the connecting cable between the transmitter and antenna in 0.1dB**



**FCC Part 24E & IC RSS 133**

**Band 2 , Normal**

| Mode                  | Average Conducted Power(dBm) | EIRP (dBm) | Limit (dBm) | Verdict |
|-----------------------|------------------------------|------------|-------------|---------|
| R99_Low               | 21.39                        | 22.14      | 33          | Pass    |
| R99_Middle            | 21.50                        | 22.25      | 33          | Pass    |
| R99_High              | 21.56                        | 22.31      | 33          | Pass    |
| HSDPA_Low_Subtest1    | 20.87                        | 21.62      | 33          | Pass    |
| HSDPA_Low_Subtest2    | 20.92                        | 21.67      | 33          | Pass    |
| HSDPA_Low_Subtest3    | 21.04                        | 21.79      | 33          | Pass    |
| HSDPA_Low_Subtest4    | 20.91                        | 21.66      | 33          | Pass    |
| HSDPA_Middle_Subtest1 | 20.89                        | 21.64      | 33          | Pass    |
| HSDPA_Middle_Subtest2 | 20.77                        | 21.52      | 33          | Pass    |
| HSDPA_Middle_Subtest3 | 20.84                        | 21.59      | 33          | Pass    |
| HSDPA_Middle_Subtest4 | 21.07                        | 21.82      | 33          | Pass    |
| HSDPA_High_Subtest1   | 20.75                        | 21.50      | 33          | Pass    |
| HSDPA_High_Subtest2   | 20.67                        | 21.42      | 33          | Pass    |
| HSDPA_High_Subtest3   | 20.85                        | 21.60      | 33          | Pass    |
| HSDPA_High_Subtest4   | 20.80                        | 21.55      | 33          | Pass    |
| HSUPA_Low_Subtest1    | 20.98                        | 21.73      | 33          | Pass    |
| HSUPA_Low_Subtest2    | 20.85                        | 21.60      | 33          | Pass    |
| HSUPA_Low_Subtest3    | 21.15                        | 21.90      | 33          | Pass    |
| HSUPA_Low_Subtest4    | 20.98                        | 21.73      | 33          | Pass    |
| HSUPA_Low_Subtest5    | 20.92                        | 21.67      | 33          | Pass    |
| HSUPA_Middle_Subtest1 | 20.62                        | 21.37      | 33          | Pass    |
| HSUPA_Middle_Subtest2 | 20.93                        | 21.68      | 33          | Pass    |
| HSUPA_Middle_Subtest3 | 20.82                        | 21.57      | 33          | Pass    |
| HSUPA_Middle_Subtest4 | 20.97                        | 21.72      | 33          | Pass    |
| HSUPA_Middle_Subtest5 | 20.81                        | 21.56      | 33          | Pass    |
| HSUPA_High_Subtest1   | 20.83                        | 21.58      | 33          | Pass    |
| HSUPA_High_Subtest2   | 20.81                        | 21.56      | 33          | Pass    |
| HSUPA_High_Subtest3   | 20.82                        | 21.57      | 33          | Pass    |
| HSUPA_High_Subtest4   | 20.87                        | 21.62      | 33          | Pass    |
| HSUPA_High_Subtest5   | 20.65                        | 21.40      | 33          | Pass    |

| Mode                     | Average Conducted Power(dBm) | EIRP (dBm) | Limit (dBm) | Verdict |
|--------------------------|------------------------------|------------|-------------|---------|
| HSPA+_Low_Subtest1       | 20.79                        | 21.54      | 33          | Pass    |
| HSPA+_Middle_Subtest1    | 20.86                        | 21.61      | 33          | Pass    |
| HSPA+_High_Subtest1      | 20.95                        | 21.70      | 33          | Pass    |
| DC-HSDPA_Low_Subtest1    | 20.78                        | 21.53      | 33          | Pass    |
| DC-HSDPA_Low_Subtest2    | 20.72                        | 21.47      | 33          | Pass    |
| DC-HSDPA_Low_Subtest3    | 20.77                        | 21.52      | 33          | Pass    |
| DC-HSDPA_Low_Subtest4    | 20.81                        | 21.56      | 33          | Pass    |
| DC-HSDPA_Middle_Subtest1 | 20.85                        | 21.60      | 33          | Pass    |
| DC-HSDPA_Middle_Subtest2 | 20.88                        | 21.63      | 33          | Pass    |
| DC-HSDPA_Middle_Subtest3 | 20.87                        | 21.62      | 33          | Pass    |
| DC-HSDPA_Middle_Subtest4 | 20.98                        | 21.73      | 33          | Pass    |
| DC-HSDPA_High_Subtest1   | 20.84                        | 21.59      | 33          | Pass    |
| DC-HSDPA_High_Subtest2   | 20.88                        | 21.63      | 33          | Pass    |
| DC-HSDPA_High_Subtest3   | 20.74                        | 21.49      | 33          | Pass    |
| DC-HSDPA_High_Subtest4   | 20.77                        | 21.52      | 33          | Pass    |

**Note:**

**EIRP = Average Conducted Power(dBm) - L<sub>C</sub>(dB) + G<sub>T</sub>(dBi)**

**1.Ant Gain = 0.75dBi;**

**2.C<sub>L</sub> = signal attenuation in the connecting cable between the transmitter and antenna in 0dB**

**FCC Part 27 & IC RSS 139**

**Band 4 , Normal**

| Mode                  | Average Conducted Power(dBm) | EIRP (dBm) | Limit (dBm) | Verdict |
|-----------------------|------------------------------|------------|-------------|---------|
| R99_Low               | 21.86                        | 21.28      | 30          | Pass    |
| R99_Middle            | 21.86                        | 21.28      | 30          | Pass    |
| R99_High              | 21.70                        | 21.12      | 30          | Pass    |
| HSDPA_Low_Subtest1    | 21.26                        | 20.68      | 30          | Pass    |
| HSDPA_Low_Subtest2    | 21.07                        | 20.49      | 30          | Pass    |
| HSDPA_Low_Subtest3    | 21.05                        | 20.47      | 30          | Pass    |
| HSDPA_Low_Subtest4    | 21.45                        | 20.87      | 30          | Pass    |
| HSDPA_Middle_Subtest1 | 21.39                        | 20.81      | 30          | Pass    |
| HSDPA_Middle_Subtest2 | 21.81                        | 21.23      | 30          | Pass    |
| HSDPA_Middle_Subtest3 | 21.64                        | 21.06      | 30          | Pass    |
| HSDPA_Middle_Subtest4 | 21.77                        | 21.19      | 30          | Pass    |
| HSDPA_High_Subtest1   | 21.32                        | 20.74      | 30          | Pass    |
| HSDPA_High_Subtest2   | 21.31                        | 20.73      | 30          | Pass    |
| HSDPA_High_Subtest3   | 21.08                        | 20.50      | 30          | Pass    |
| HSDPA_High_Subtest4   | 21.43                        | 20.85      | 30          | Pass    |
| HSUPA_Low_Subtest1    | 21.38                        | 20.80      | 30          | Pass    |
| HSUPA_Low_Subtest2    | 21.19                        | 20.61      | 30          | Pass    |
| HSUPA_Low_Subtest3    | 21.35                        | 20.77      | 30          | Pass    |
| HSUPA_Low_Subtest4    | 21.35                        | 20.77      | 30          | Pass    |
| HSUPA_Low_Subtest5    | 21.37                        | 20.79      | 30          | Pass    |
| HSUPA_Middle_Subtest1 | 21.68                        | 21.10      | 30          | Pass    |
| HSUPA_Middle_Subtest2 | 21.58                        | 21.00      | 30          | Pass    |
| HSUPA_Middle_Subtest3 | 21.60                        | 21.02      | 30          | Pass    |
| HSUPA_Middle_Subtest4 | 21.87                        | 21.29      | 30          | Pass    |
| HSUPA_Middle_Subtest5 | 21.79                        | 21.21      | 30          | Pass    |
| HSUPA_High_Subtest1   | 21.62                        | 21.04      | 30          | Pass    |
| HSUPA_High_Subtest2   | 21.46                        | 20.88      | 30          | Pass    |
| HSUPA_High_Subtest3   | 21.28                        | 20.70      | 30          | Pass    |
| HSUPA_High_Subtest4   | 21.51                        | 20.93      | 30          | Pass    |
| HSUPA_High_Subtest5   | 21.52                        | 20.94      | 30          | Pass    |

| Mode                     | Average Conducted Power(dBm) | EIRP (dBm) | Limit (dBm) | Verdict |
|--------------------------|------------------------------|------------|-------------|---------|
| HSPA+_Low_Subtest1       | 21.73                        | 21.15      | 30          | Pass    |
| HSPA+_Middle_Subtest1    | 21.65                        | 21.07      | 30          | Pass    |
| HSPA+_High_Subtest1      | 21.22                        | 20.64      | 30          | Pass    |
| DC-HSDPA_Low_Subtest1    | 21.35                        | 20.77      | 30          | Pass    |
| DC-HSDPA_Low_Subtest2    | 21.44                        | 20.86      | 30          | Pass    |
| DC-HSDPA_Low_Subtest3    | 21.29                        | 20.71      | 30          | Pass    |
| DC-HSDPA_Low_Subtest4    | 21.66                        | 21.08      | 30          | Pass    |
| DC-HSDPA_Middle_Subtest1 | 21.53                        | 20.95      | 30          | Pass    |
| DC-HSDPA_Middle_Subtest2 | 21.48                        | 20.90      | 30          | Pass    |
| DC-HSDPA_Middle_Subtest3 | 21.25                        | 20.67      | 30          | Pass    |
| DC-HSDPA_Middle_Subtest4 | 21.36                        | 20.78      | 30          | Pass    |
| DC-HSDPA_High_Subtest1   | 21.72                        | 21.14      | 30          | Pass    |
| DC-HSDPA_High_Subtest2   | 21.58                        | 21.00      | 30          | Pass    |
| DC-HSDPA_High_Subtest3   | 21.53                        | 20.95      | 30          | Pass    |
| DC-HSDPA_High_Subtest4   | 21.67                        | 21.09      | 30          | Pass    |

**Note:**  
**EIRP = Average Conducted Power(dBm) - L<sub>C</sub>(dB) + G<sub>T</sub>(dBi)**  
**1.Ant Gain = -0.58dBi;**  
**2.C<sub>L</sub> = signal attenuation in the connecting cable between the transmitter and antenna in 0dB**

Peak-to-average Ratio(PAR)

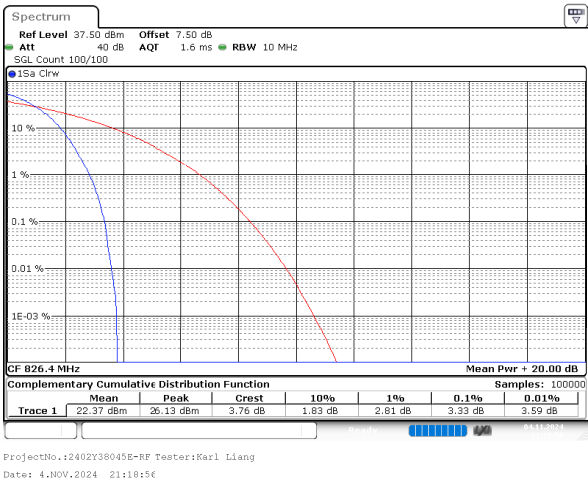
FCC Part 22H & IC RSS 132

Band 5 , Normal

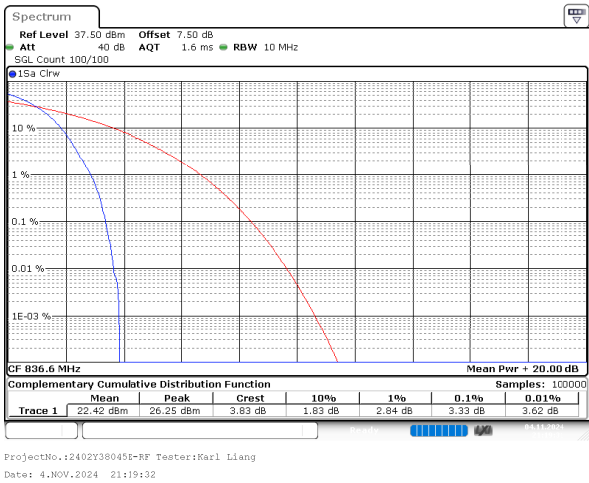
| Mode                  | Result<br>(dB) | Limit<br>(dB) |
|-----------------------|----------------|---------------|
| R99_Low               | 3.33           | 13            |
| R99_Middle            | 3.33           | 13            |
| R99_High              | 3.42           | 13            |
| HSDPA_Low_Subtest1    | 3.97           | 13            |
| HSDPA_Middle_Subtest2 | 3.65           | 13            |
| HSDPA_High_Subtest1   | 4              | 13            |
| HSUPA_Low_Subtest1    | 4.49           | 13            |
| HSUPA_Middle_Subtest1 | 4.29           | 13            |
| HSUPA_High_Subtest1   | 3.16           | 13            |

Band 5 , Normal

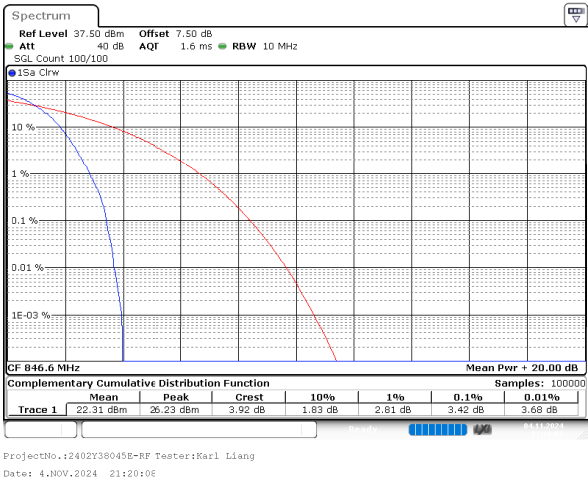
R99\_Low



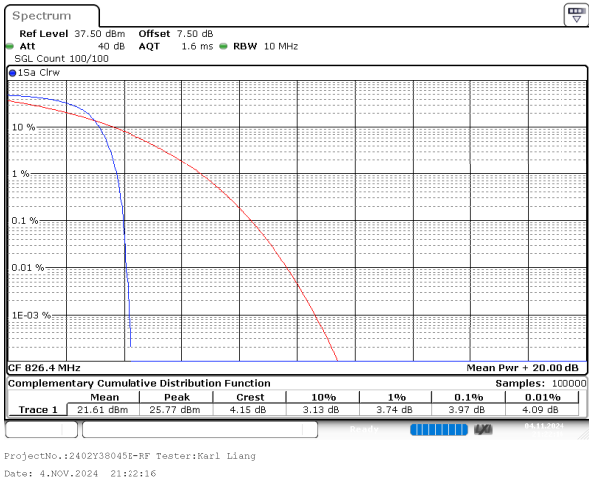
R99\_Middle



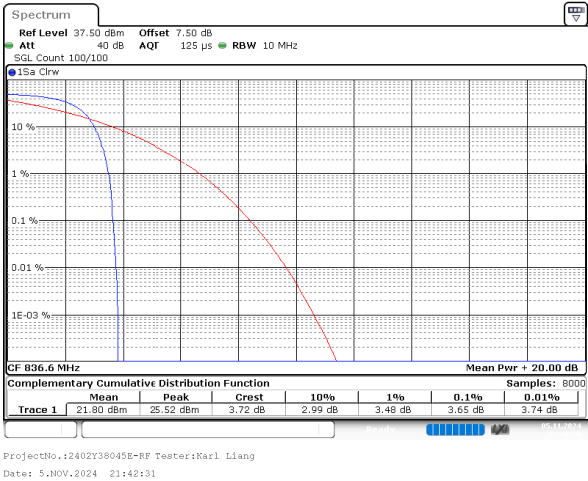
R99\_High



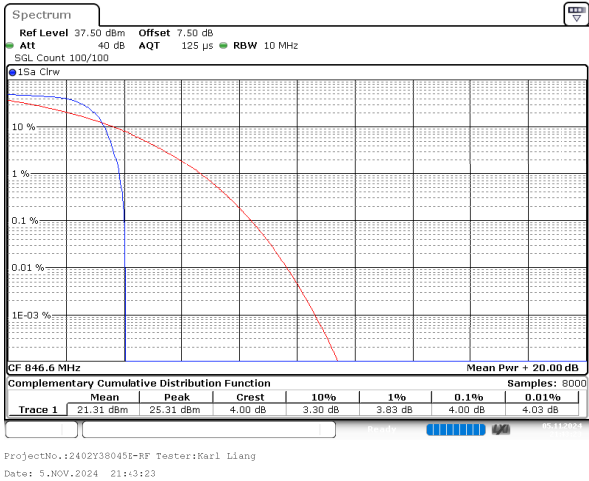
HSDPA\_Low\_Subtest1



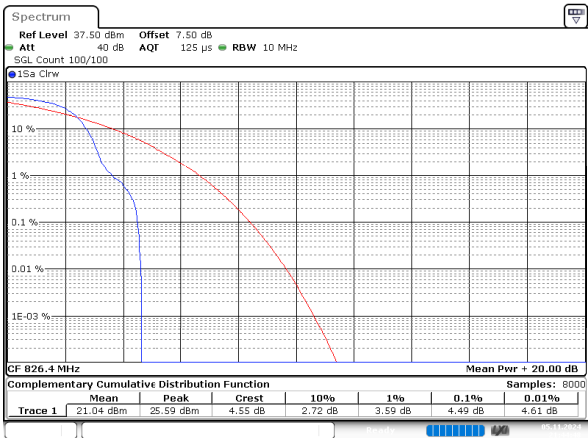
HSDPA\_Middle\_Subtest2



HSDPA\_High\_Subtest1

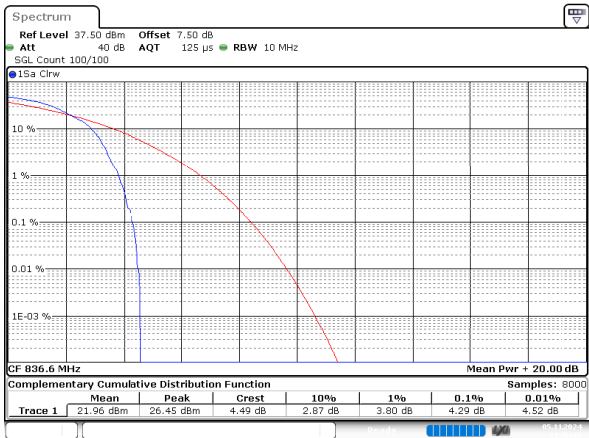


HSUPA\_Low\_Subtest1



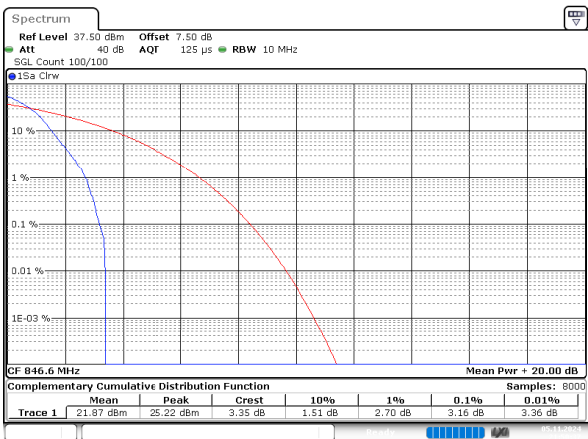
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Date: 5.NOV.2024 21:44:45

HSUPA\_Middle\_Subtest1



ProjectNo.:2402Y38045E-RF Tester:Karl Liang  
Date: 5.NOV.2024 21:46:50

HSUPA\_High\_Subtest1



ProjectNo.:2402Y38045E-RF Tester:Karl Liang  
Date: 5.NOV.2024 21:50:37

FCC Part 24E & IC RSS 133

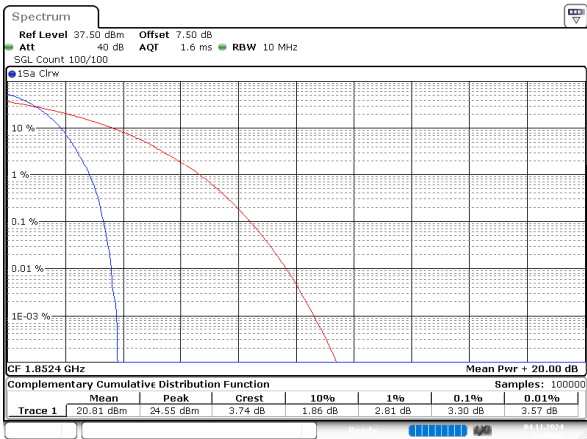
Band 2 , Normal

| Mode                  | Result<br>(dB) | Limit<br>(dB) |
|-----------------------|----------------|---------------|
| R99_Low               | 3.30           | 13            |
| R99_Middle            | 3.13           | 13            |
| R99_High              | 3.16           | 13            |
| HSDPA_Low_Subtest1    | 3.97           | 13            |
| HSDPA_Middle_Subtest1 | 3.65           | 13            |
| HSDPA_High_Subtest1   | 4.23           | 13            |
| HSUPA_Low_Subtest1    | 4.81           | 13            |
| HSUPA_Middle_Subtest1 | 5.04           | 13            |
| HSUPA_High_Subtest1   | 5.13           | 13            |



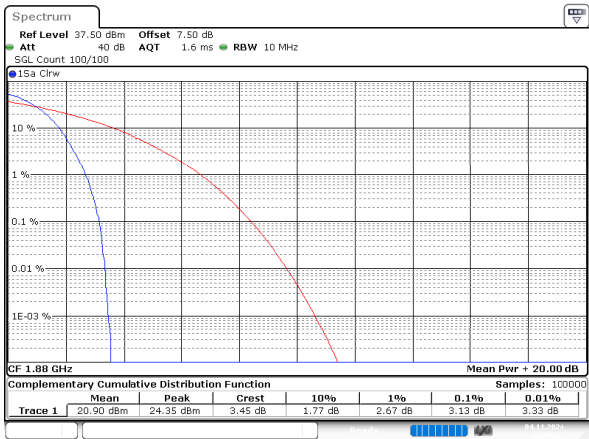
Band 2 , Normal

R99\_Low



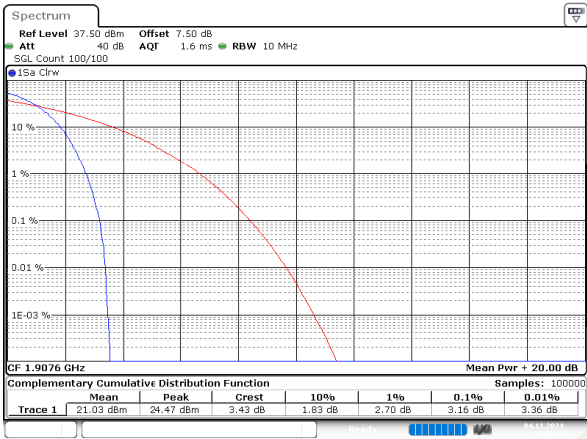
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R99\_Middle



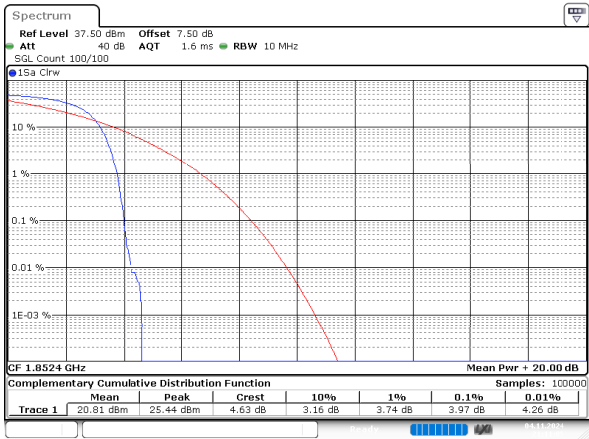
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R99\_High



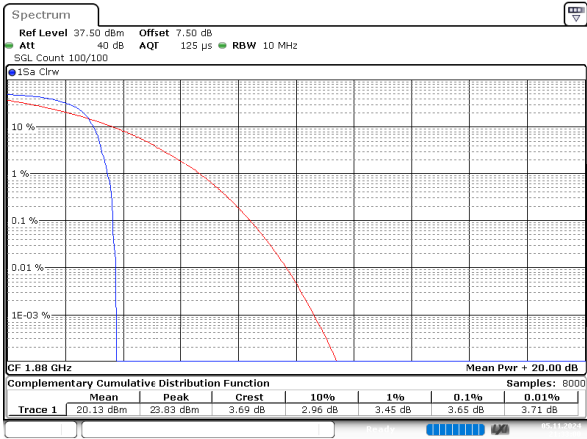
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HSDPA\_Low\_Subtest1



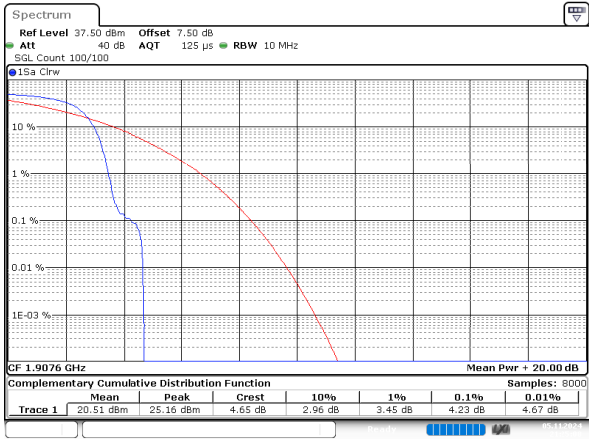
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HSDPA\_Middle\_Subtest1



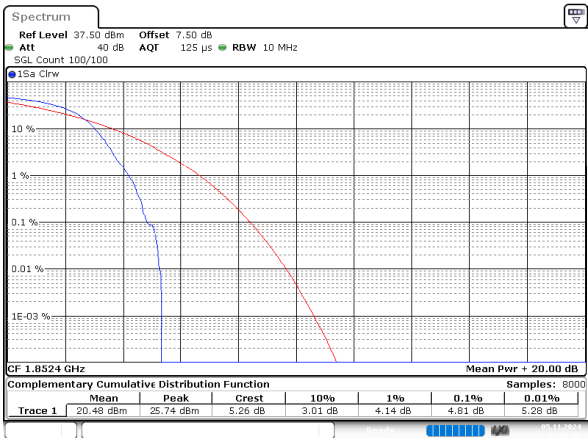
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HSDPA\_High\_Subtest1



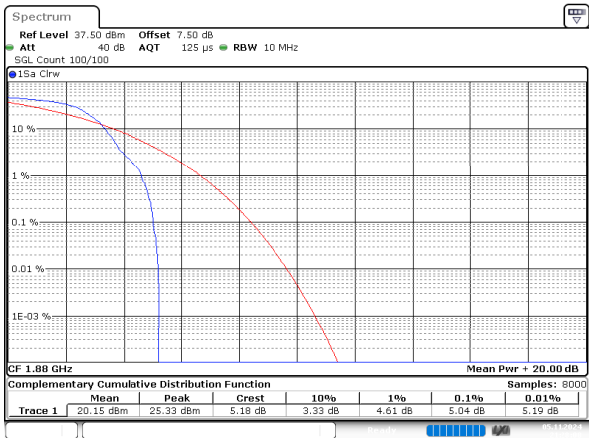
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HSUPA\_Low\_Subtest1



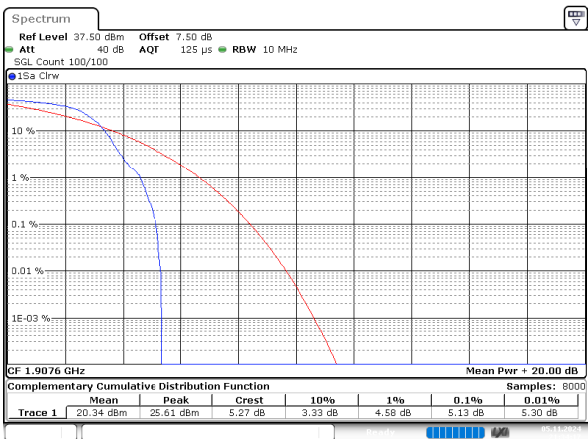
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HSUPA\_Middle\_Subtest1



ProjectNo.:2402Y38045E-RF Tester:Karl Liang  
Date: 5.NOV.2024 21:28:09

HSUPA\_High\_Subtest1



ProjectNo.:2402Y38045E-RF Tester:Karl Liang  
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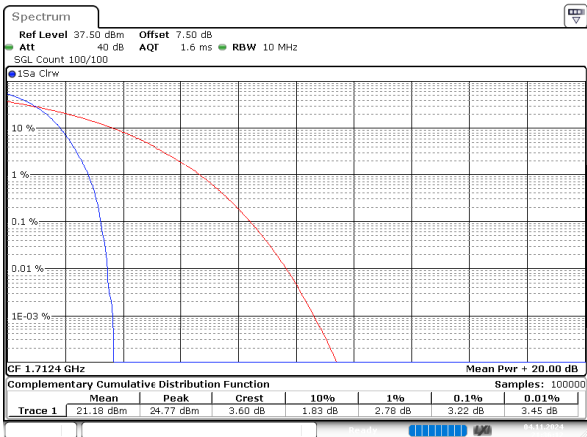
FCC Part 27 & IC RSS 139

Band 4 , Normal

| Mode                  | Result<br>(dB) | Limit<br>(dB) |
|-----------------------|----------------|---------------|
| R99_Low               | 3.22           | 13            |
| R99_Middle            | 3.30           | 13            |
| R99_High              | 3.22           | 13            |
| HSDPA_Low_Subtest1    | 3.68           | 13            |
| HSDPA_Middle_Subtest1 | 2.90           | 13            |
| HSDPA_High_Subtest1   | 3.36           | 13            |
| HSUPA_Low_Subtest1    | 5.07           | 13            |
| HSUPA_Middle_Subtest1 | 2.99           | 13            |
| HSUPA_High_Subtest1   | 4.43           | 13            |

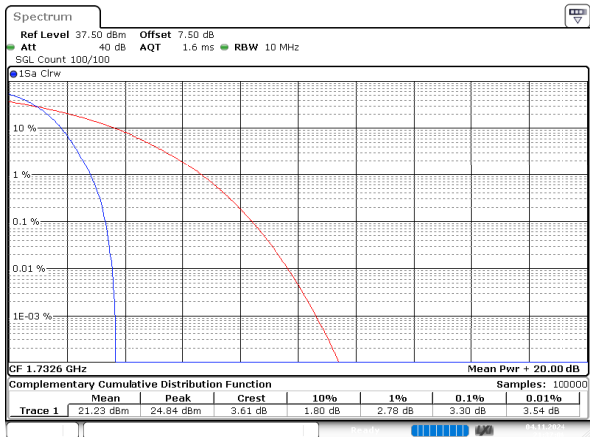
Band 4 , Normal

R99\_Low



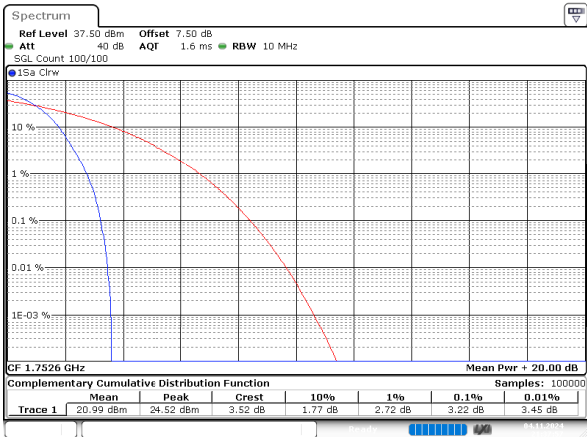
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R99\_Middle



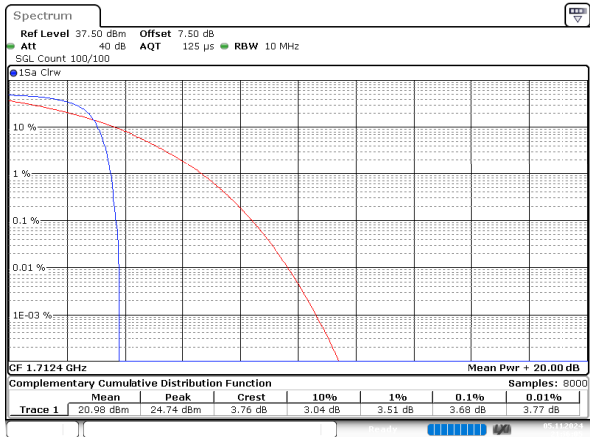
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R99\_High



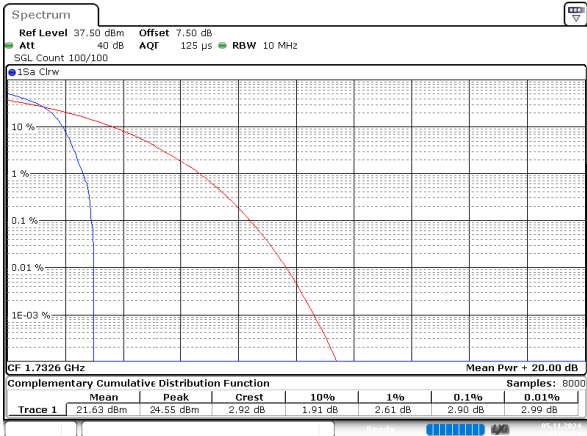
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HSDPA\_Low\_Subtest1



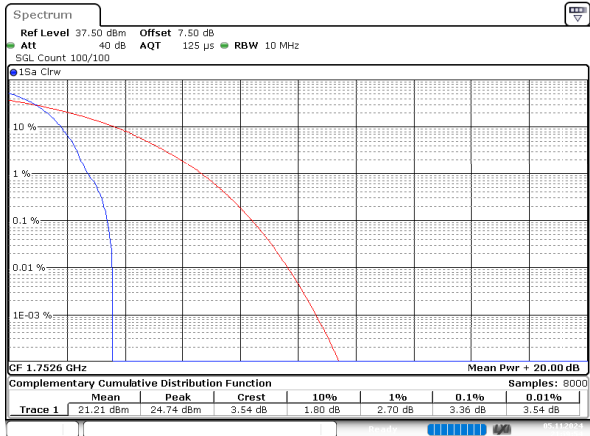
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Date: 5.NOV.2024 21:16:06

HSDPA\_Middle\_Subtest1



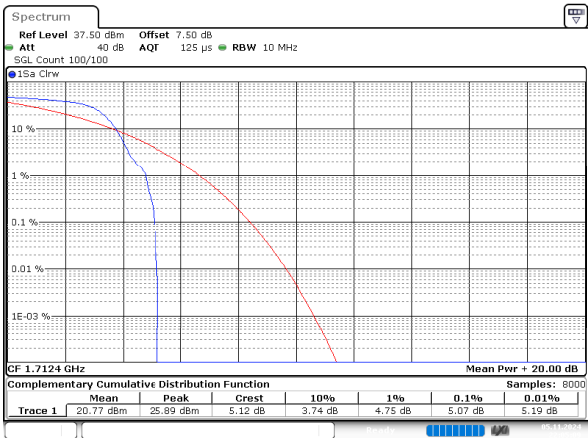
ProjectNo.:2402Y38045E-RF Tester:Karl Liang  
Date: 5.NOV.2024 21:53:22

HSDPA\_High\_Subtest1



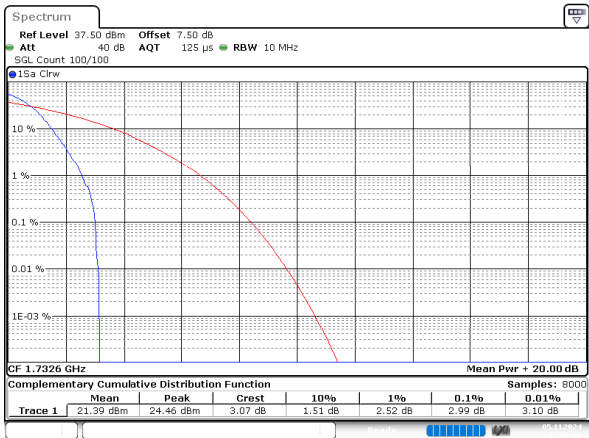
ProjectNo.:2402Y38045E-RF Tester:Karl Liang  
Date: 5.NOV.2024 21:19:55

HSUPA\_Low\_Subtest1



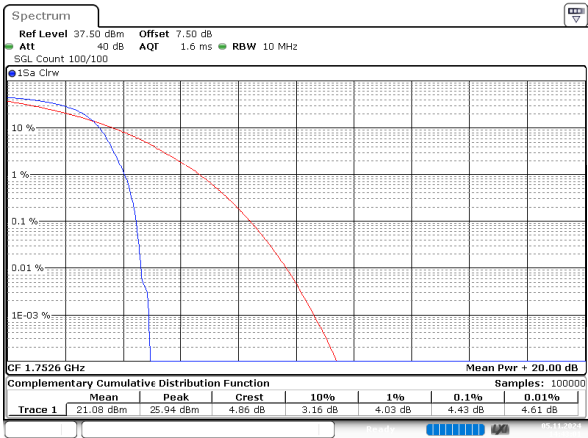
ProjectNo.:2402Y38045E-RF Tester:Karl Liang  
Date: 5.NOV.2024 22:05:10

HSUPA\_Middle\_Subtest1



ProjectNo.:2402Y38045E-RF Tester:Karl Liang  
Date: 5.NOV.2024 22:16:49

HSUPA\_High\_Subtest1



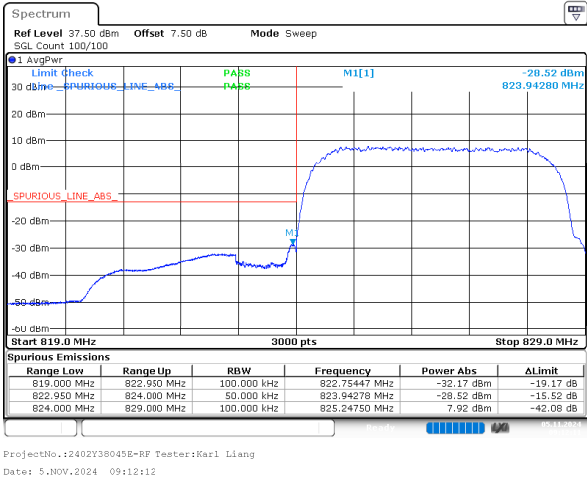
ProjectNo.:2402Y38045E-RF Tester:Karl Liang  
Date: 5.NOV.2024 14:43:01

Out of band emission,Band Edge

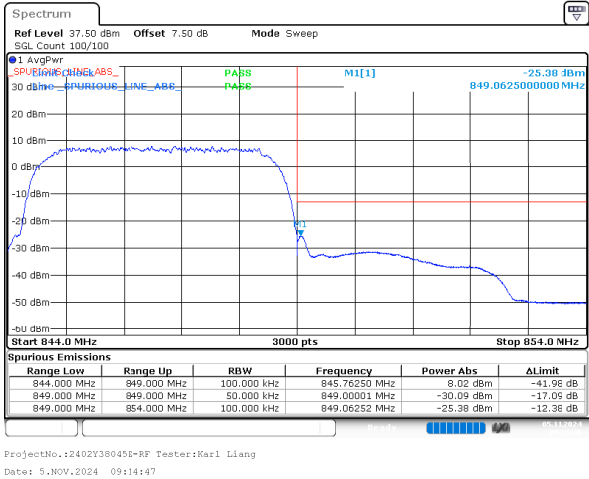
FCC Part 22H & IC RSS 132

Band 5 , Normal

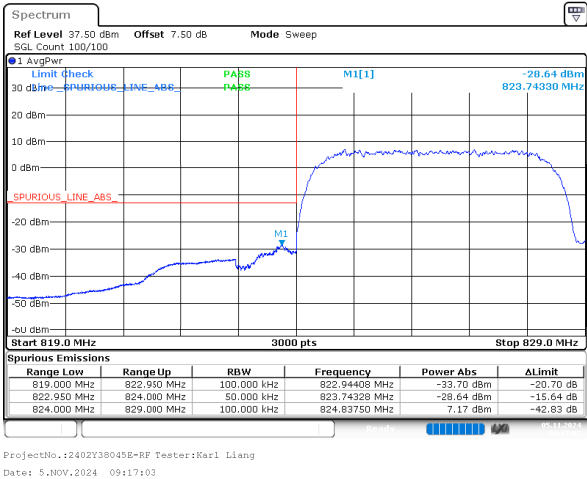
R99\_Low



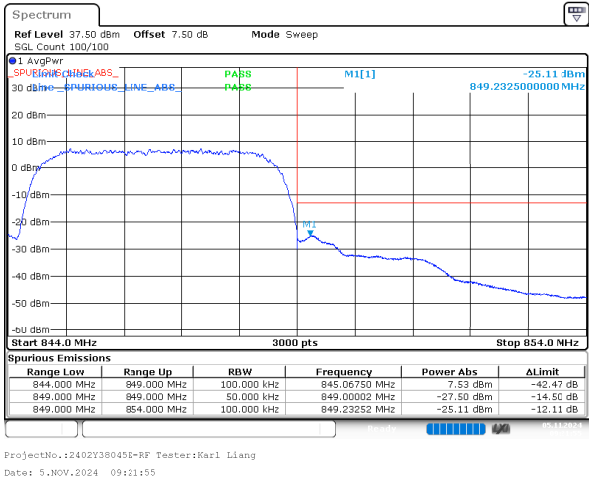
R99\_High



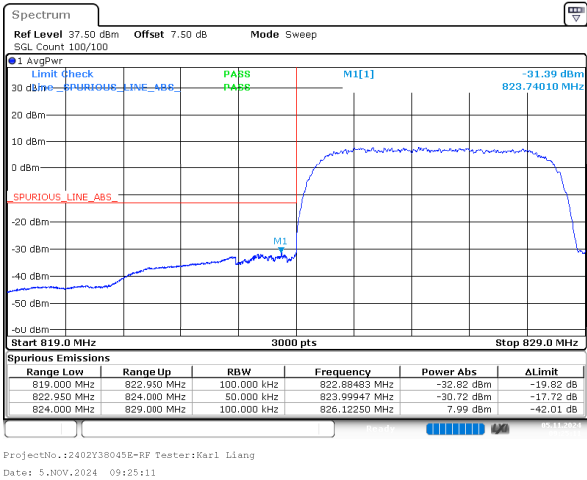
HSDPA\_Low\_Subtest1



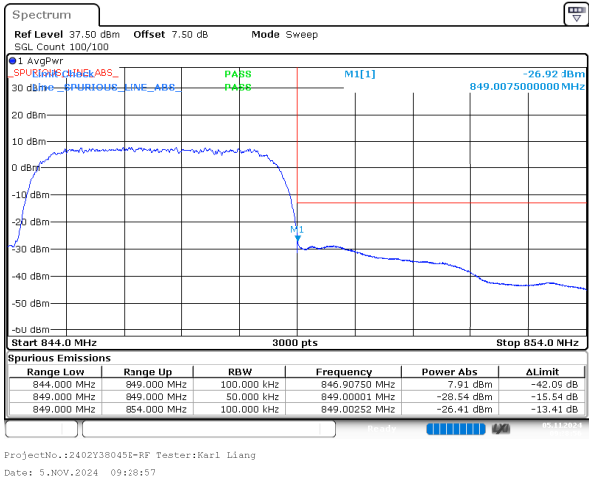
HSDPA\_High\_Subtest1



HSUPA\_Low\_Subtest1



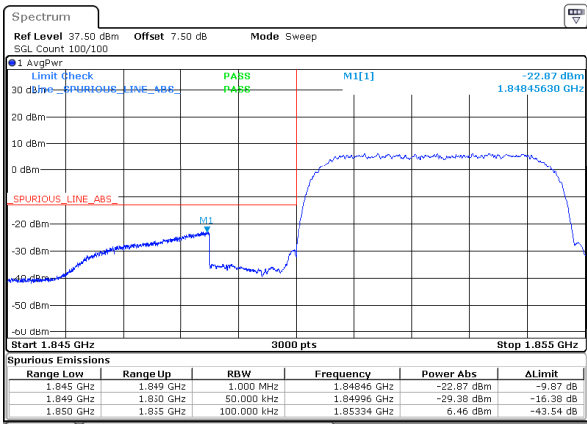
HSUPA\_High\_Subtest1



FCC Part 24E & IC RSS 133

Band 2 , Normal

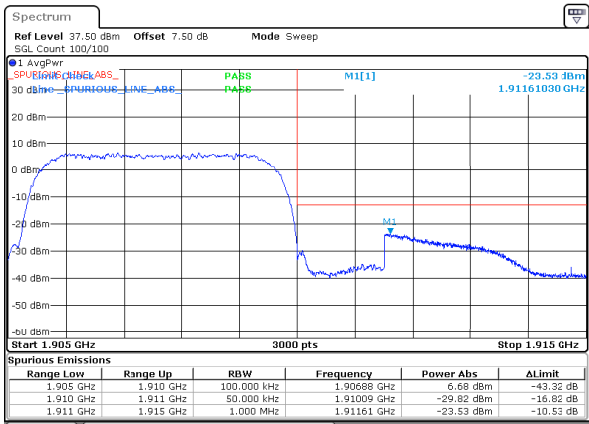
R99\_Low



ProjectNo.:2402Y38045E-RF Tester:Karl Liang

Date: 5.NOV.2024 08:56:14

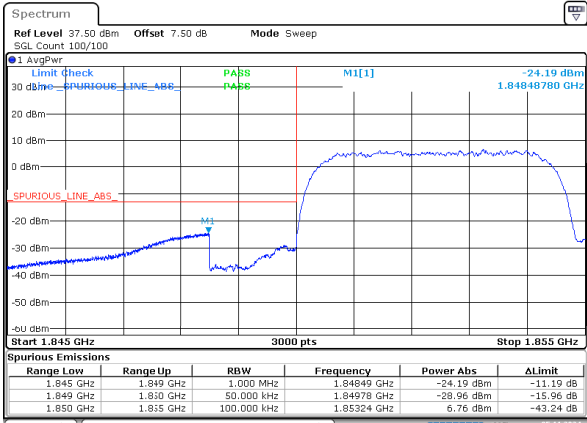
R99\_High



ProjectNo.:2402Y38045E-RF Tester:Karl Liang

Date: 5.NOV.2024 08:19:06

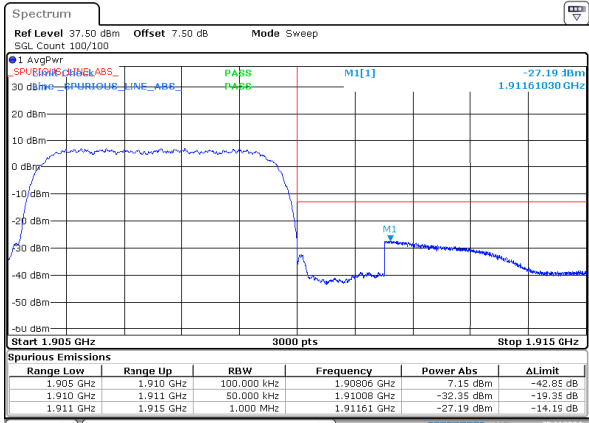
HSDPA\_Low\_Subtest1



ProjectNo.:2402Y38045E-RF Tester:Karl Liang

Date: 5.NOV.2024 09:00:00

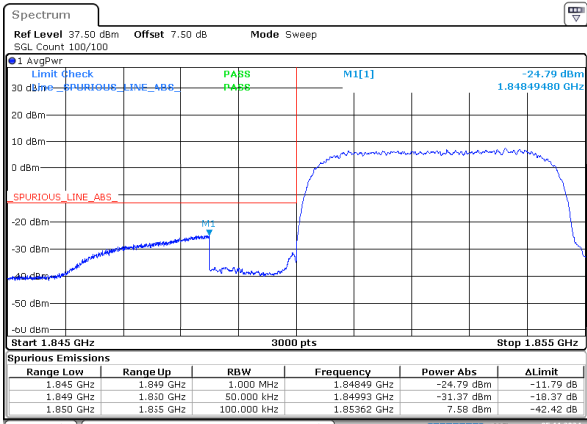
HSDPA\_High\_Subtest1



ProjectNo.:2402Y38045E-RF Tester:Karl Liang

Date: 5.NOV.2024 23:10:55

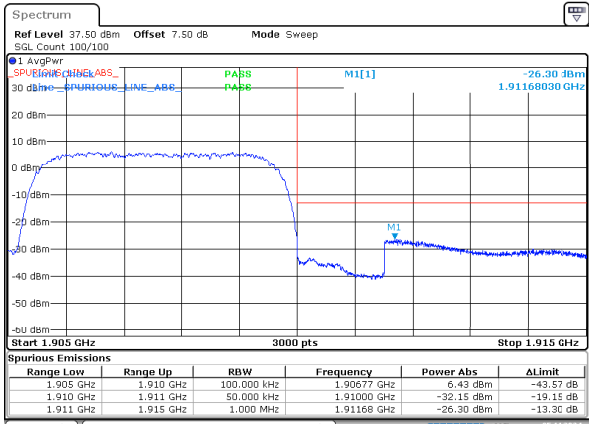
HSUPA\_Low\_Subtest1



ProjectNo.:2402Y38045E-RF Tester:Karl Liang

Date: 5.NOV.2024 23:33:25

HSUPA\_High\_Subtest1



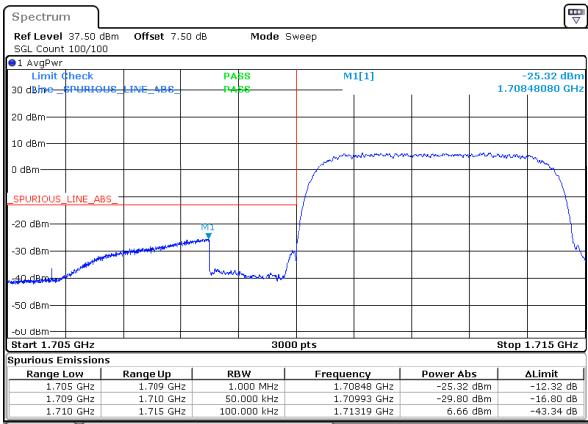
ProjectNo.:2402Y38045E-RF Tester:Karl Liang

Date: 5.NOV.2024 09:47:51

FCC Part 27 & IC RSS 139

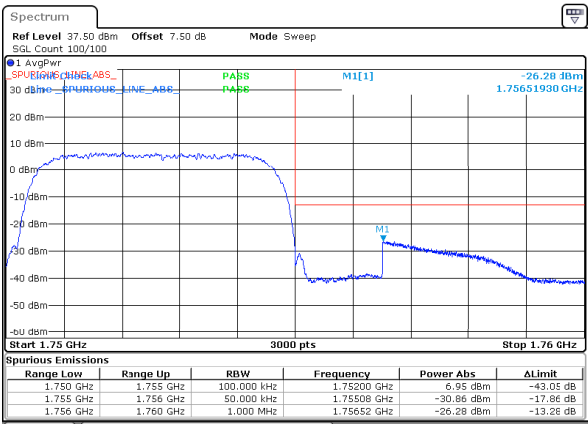
Band 4 , Normal

R99\_Low



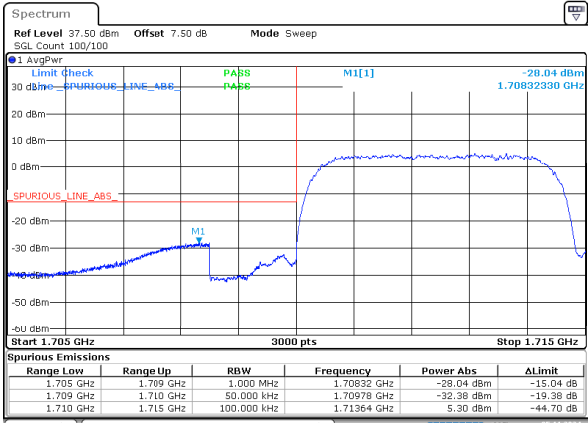
ProjectNo.:2402Y38045E-RF Tester:Karl Liang  
Date: 5.NOV.2024 09:33:24

R99\_High



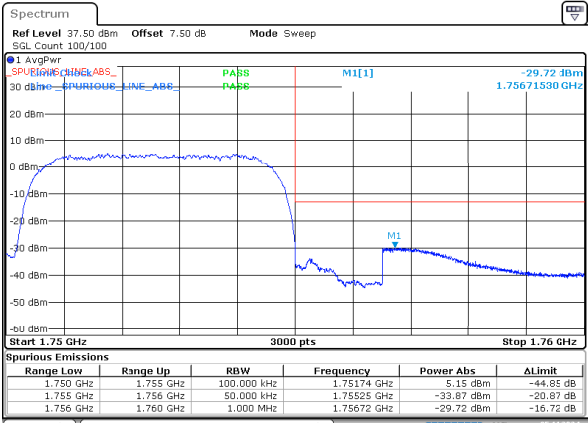
ProjectNo.:2402Y38045E-RF Tester:Karl Liang  
Date: 5.NOV.2024 09:14:32

HSDPA\_Low\_Subtest1



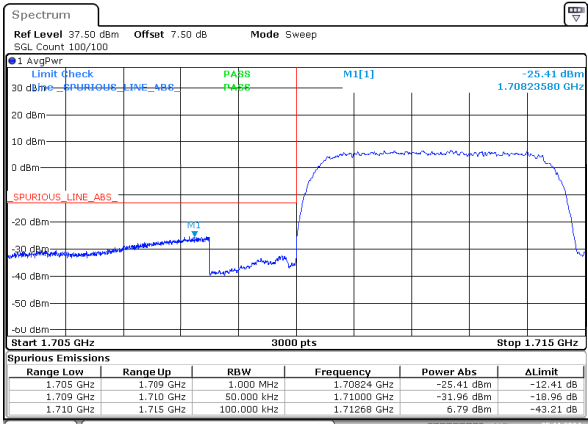
ProjectNo.:2402Y38045E-RF Tester:Karl Liang  
Date: 5.NOV.2024 09:39:31

HSDPA\_High\_Subtest1



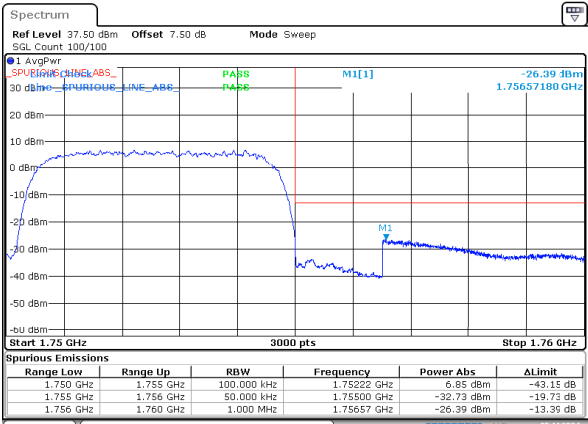
ProjectNo.:2402Y38045E-RF Tester:Karl Liang  
Date: 5.NOV.2024 09:12:14

HSUPA\_Low\_Subtest1



ProjectNo.:2402Y38045E-RF Tester:Karl Liang  
Date: 5.NOV.2024 09:44:14

HSUPA\_High\_Subtest1



ProjectNo.:2402Y38045E-RF Tester:Karl Liang  
Date: 5.NOV.2024 09:11:39

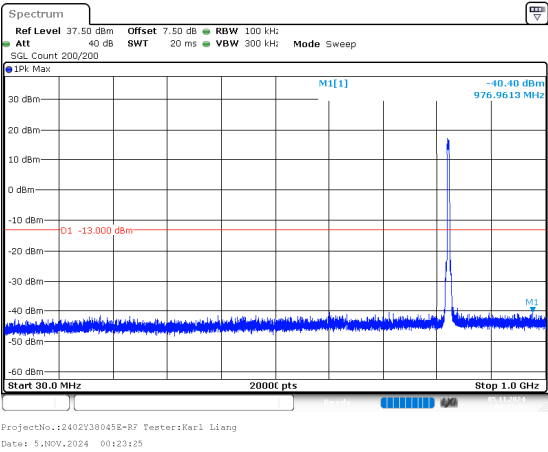


Spurious Emissions at Antenna Terminal

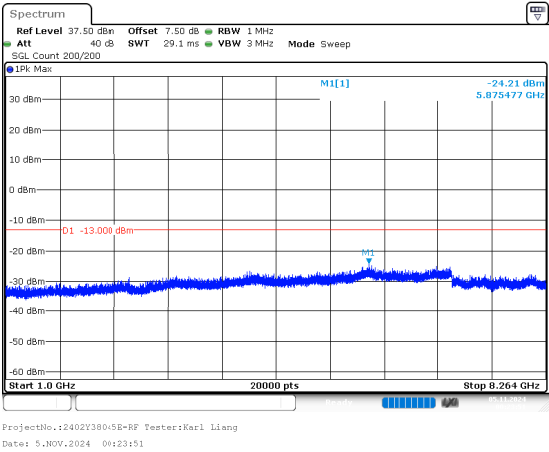
FCC Part 22H & IC RSS 132  
Band 5 , Normal

R99\_Low

Below 1G

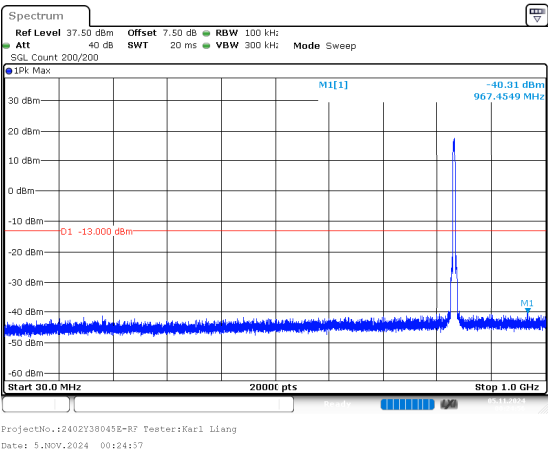


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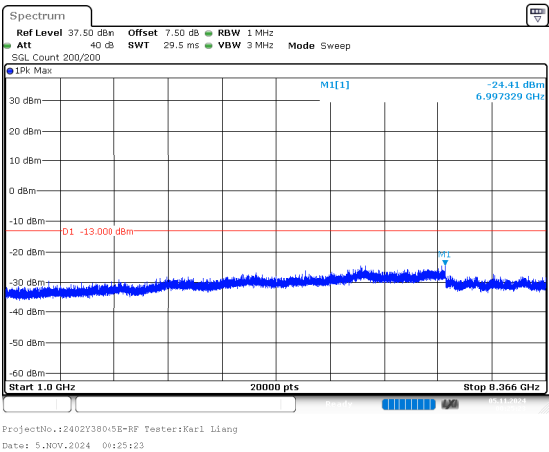


R99\_Middle

Below 1G

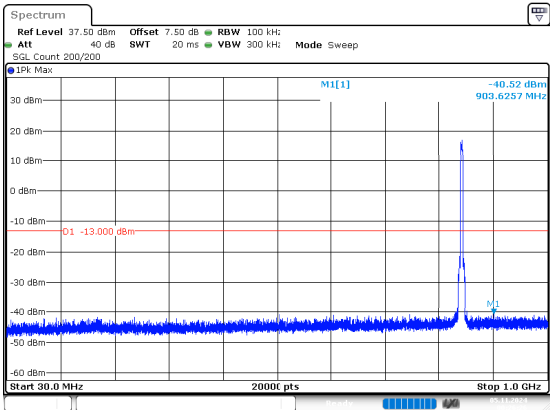


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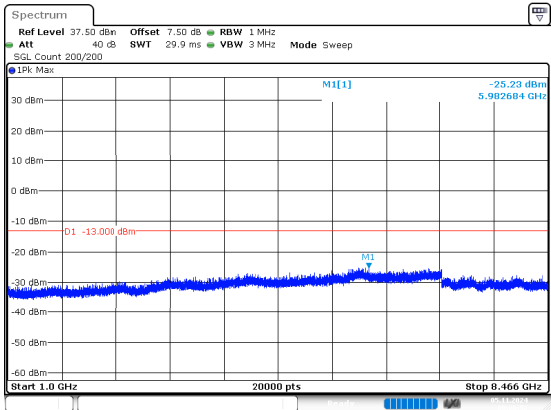
R99\_High

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ProjectNo.:2402Y38045E-R7 Tester:Karl Liang  
Date: 5.NOV.2024 00:26:27

Above 1G



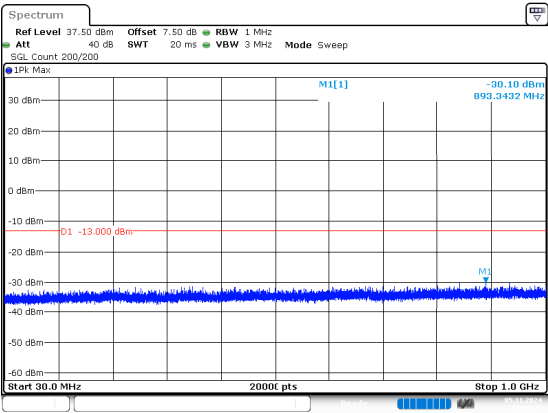
ProjectNo.:2402Y38045E-RF Tester:Karl Liang  
Date: 5.NOV.2024 00:26:52

FCC Part 24E & IC RSS 133

Band 2 , Normal

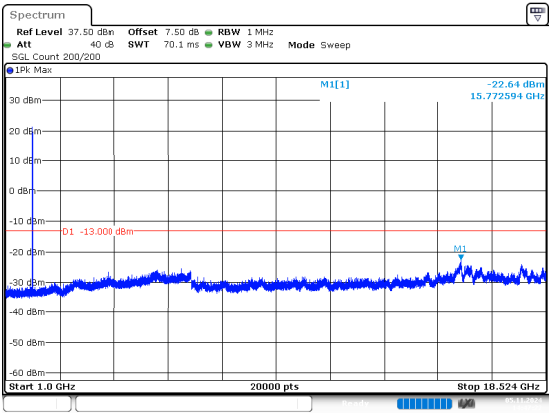
R99\_Low

Below 1G



ProjectNo.:2402Y38045E-RF Tester:Karl Liang  
Date: 5.NOV.2024 14:46:23

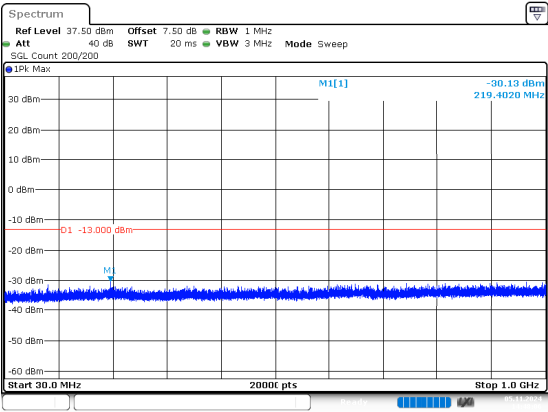
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ProjectNo.:2402Y38045E-RF Tester:Karl Liang  
Date: 5.NOV.2024 1:47:23

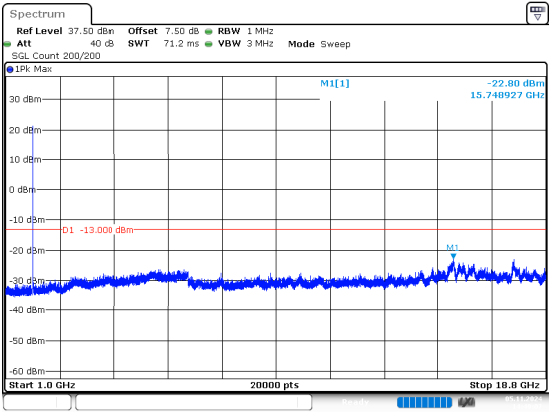
R99\_Middle

Below 1G



ProjectNo.:2402Y38045E-RF Tester:Karl Liang  
Date: 5.NOV.2024 14:48:07

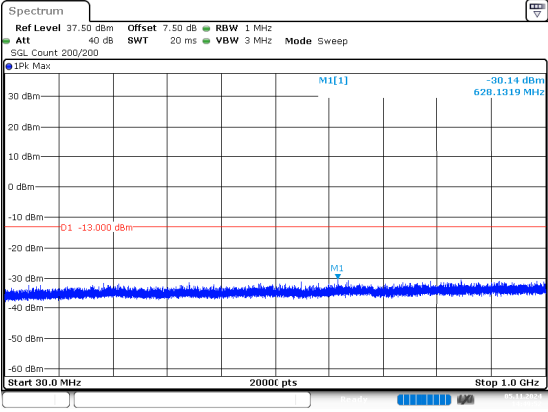
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ProjectNo.:2402Y38045E-RF Tester:Karl Liang  
Date: 5.NOV.2024 1:49:08

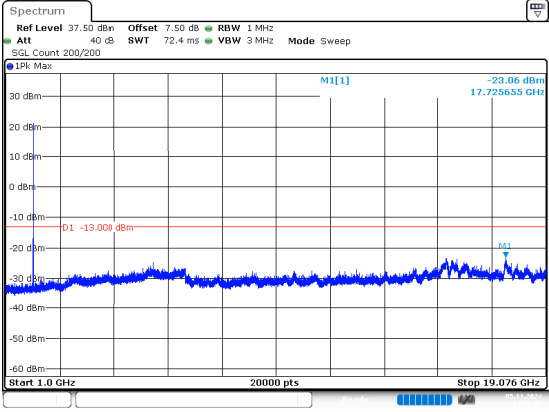
R99\_High

Below 1G



ProjectNo.:2402Y38045E-RF Tester:Karl Liang  
Date: 5.NOV.2024 14:49:32

Above 1G



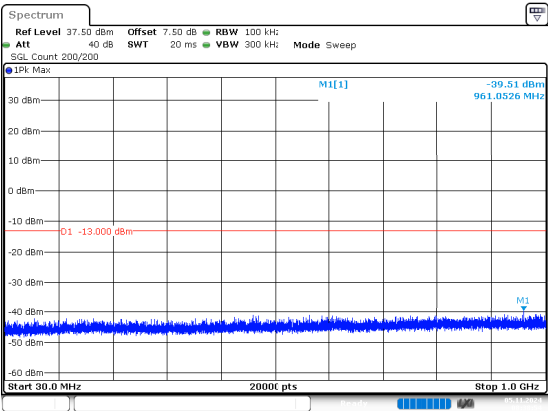
ProjectNo.:2402Y38045E-RF Tester:Karl Liang  
Date: 5.NOV.2024 1:50:53

FCC Part 27 & IC RSS 139

Band 4 , Normal

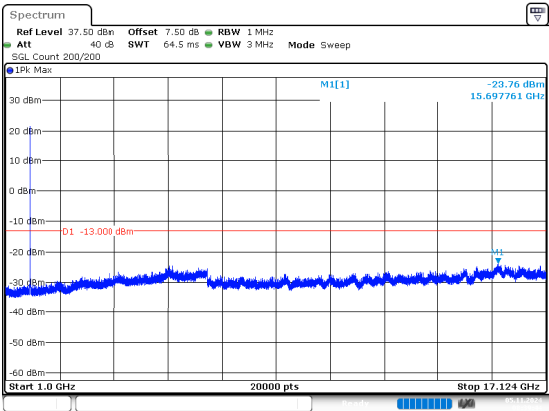
R99\_Low

Below 1G



ProjectNo.:2402Y38045E-RF Tester:Karl Liang  
Date: 5.NOV.2024 08:38:34

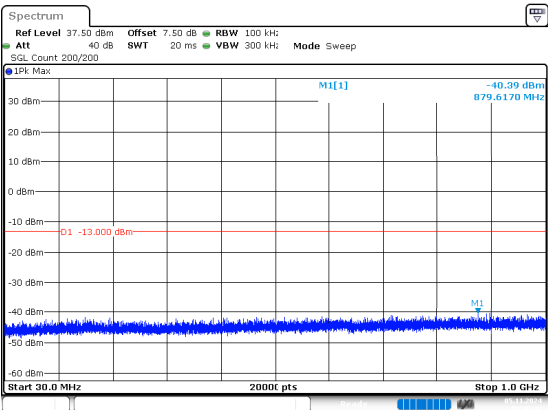
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ProjectNo.:2402Y38045E-RF Tester:Karl Liang  
Date: 5.NOV.2024 08:39:45

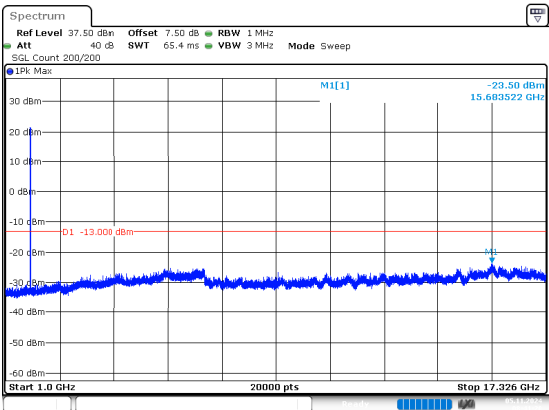
R99\_Middle

Below 1G



ProjectNo.:2402Y38045E-RF Tester:Karl Liang  
Date: 5.NOV.2024 08:40:30

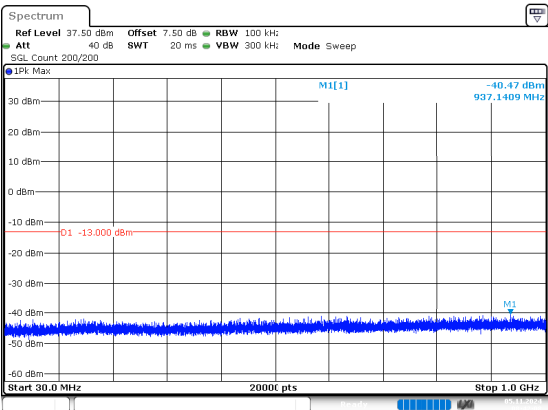
Above 1G



ProjectNo.:2402Y38045E-RF Tester:Karl Liang  
Date: 5.NOV.2024 08:41:20

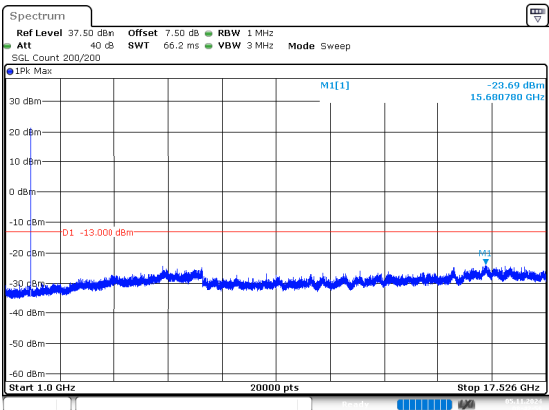
R99\_High

Below 1G



ProjectNo.:2402Y38045E-RF Tester:Karl Liang  
Date: 5.NOV.2024 08:42:08

Above 1G



ProjectNo.:2402Y38045E-RF Tester:Karl Liang  
Date: 5.NOV.2024 08:42:59